No. 1062—Vol. XXV.

149

LONDON, SATURDAY, DECEMBER 29, 1855.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

STAMPED SIXPENCE. UNSTAMPED ... FIVEPENCE.

THE MINING EXCHANGE OF LONDON.

GRESHAM HOUSE, OLD BROAD STREET.

The following of the MEMBERS who have SUBSCRIBED to the RULES:—

COMMITTEE.

J. Y. WATSON, Esq., F.G.S.—CHAIRMAN.
W. BAWDEN.
W. H. CUELL.
P. B. Batten.
W. C. Foulkes.
W. C. Gompers.
J. B. Brenchley.
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J. F. Boddy.
J. F. Boldy.
J. F. E. Blyth.
C. D. Butt.
Wm. Michell.
Secret Spratley.
Adam Murray, F.G.S.
Percival Clay.
By order of the Committee,
Watson, Hon. Sec.
Those gentlemen who are mining capitalists only, and not dealers in shares W. B. AUELL.
P. B. Batten.
W. H. CUELL.
W. C. Foulkes.
CHAS. POWELL.
G. Moore.
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J. F. Boldy.
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J. Lambert.
F. E. Blyth.
C. D. Butt.
E. Cooke.
Percival Clay.
By order of the Committee,
Wm. Michell.
By order of the Committee,
W. F. WATSON, Hon. Sec.
Those gentlemen who are mining capitalists only, and not dealers in shares, having requested that their names should not appear in advertisements, the list now published contains the names of agents, brokers, and dealers only.

R. JAMES CROFTS, MINING BROKER, No. 1, FINCH LANE, CORNHILL, LONDON, TRANSACTS BUSINESS, both in BUYING and SELLING, for immediate cash.
DIVIDEND MINES, well selected, are the best of any known investments—paying from 15 to 20 per ceant, per annum in dividends. The choice of NON-DIVIDEND MINES for speculation requires careful discrimination.
Mr. Chorrs is a BUYER of the following:—Alfred Consols, Bedford United, South Tamar, Wheal Wrey, Sortridge Consols, Ivybridge, North Basset, West Basset, Trewetha, Lady Bertha, Devon Wheal Buller, Est Russell, Wheal Hender, West Collacombe, Wheal Arthur, Rosewarne, Wheal Grenville, Wheal Edward, San Fernando, Wheal Arthur, West Providence, North Buller, Wheal Kitty (St. Agnes), Tavy Consols, Tineroft. Mr. Caopres solicits particular attention to Sortridge Consols at the present depressed prices.

MR. JAMES LANE, No. 29, THREADNEEDLE STREET, is a BUYER of Sheba, South Garras, West Providence, Devon Buller, Lady Bertha, Trewctha, Sortridge, Ludcott, &c.; and is prepared to DEAL in most of the shares named in the general List.—Dec. 29, 1855.

MR. JAMES B. BRENCHLEY, SHARE DEALER, 2, PINNER'S COURT, OLD BROAD STREET.
Has FOR SALE the following DIVIDEND MINES, paying from 12% to 15 per cent.; well worthy the immediate attention of investors:—

10 Alfred Consols, 10 Bedford United, 10 North Basset, 5 Kitty (Lelant), 2 (512ths) Rosewarne.

2 (496ths) South Frances, 1 (512ths) South Basset, 1 Wheal Seton, 1 Wheal Buller, 5 West Basset. Also, the following NON-DIVIDEND, yet bona fide MINES :-

so, the following NON-L

2 East Basset.

1 Copper Hill,

10 Hender,

5 West Frances,

20 South Condurrow,

100 West Par,

10 Wheal Edward,

50 North Wheal Unity,

15 Trefusis.
10 North Crofty.
5 South Crofty.
50 Tehidy.
5 Great Alfred.
5 Bell and Lapar

Description of Railway, 12 East Wheal Rose.

PURCHASES and SALES EFFECTED in every description of Railway, Insultance, and Other Securities.

To those seeking investment in mines, every information, personally or by letter, will be afforded; at the present time, a judicious selection is the more necessary, as many very questionable undertakings are being brought before the public.

Mr. Brenchley, being a Member of the Mining Exchange, will forward a list of prices, on receipt of stamped addressed envelopes; and PUBLISHES WEEKLY a CIRCULAR, containing latest particulars of prices, and much desirable information.

NOTICE OF REMOVAL.—Mr. PETER WATSON has REMOVED from 37, Old Broad street to 57, THREADNEEDLE STREET,

DIVIDEND MINES, well selected, are the BEST of any known investment, and which are now paying from 20 to 30 per cent, per annum (in dividends every two or three months). NON-DIVIDEND MINES require a judicious selection also, and careful discrimination; this particular stock frequently advances FIVE HUNDRED per cent, and upwards.

Mr. PETER WATSON, SHARE DEALER, AND GENERAL COMMISSION AGENT, from the 11 years' experience he has had in every department of mining, and in the management of mines, and an extensive connection with mine agents and others in Corawall and Devon, enables him to judge of and select mines of intrinsic value. Mr. PETER WATSON, being a Mendber of the Mining Exchange, will forward a list of prices when required.

67, Threadneedle-street, London, Dec. 29, 1855.

R. GEORGE SPRATLEY has FOR SALE, at close market price

M.R. GEORGE St. 20 South Crenver.
30 Lady Bertha.
100 South Zon.
10 South Condurrow.

1 Rosewarue.
0 South Tamar.
5 Hingston Down. 50 West Collacomb 20 Pedn-an-drea. 20 Tamar Consols. 2 West Caradon.

ATLEY has FOR SALI
15 Bedford Consols.
50 West Grenville.
100 West Sortridge.
15 North British.
50 Wh. Kitty (St. Agnes).
5 Wheal Arthur.
20 St. Day United.
10 Marke Valley.
2 Mary Ann.
50 Pendeen.
100 Hawkmoor.

, at close market price :
10 Trewetha.
5 Alfred Consols.
45 Morelyn.
2 South Caradon.
20 Swanpool.
3 Clijah and Wentworth.
75 West Carpenter.
2 North Robert.
10 Tincroft.
20 Ludcott.
1 Cargoll. And will BUY any of the following; parties are requested to state price at one

7 West Alfred. 2 Boiling Well.

2 Boiling Well.
5 East Wheal Rose.
20 West Polberro.
50 Wheal Zion.
2 Boscean.
10 East Russell.
5 East Buller.
20 Tehidy.

o prevent delay:50 Sortridge.
50 Tavy Consols.
10 Devon Buller.

50 East Caradon.
110 Vale of Towy.
5 Bell and Lanarth.
100 Carnyorth.
5 West Providence.
10 Mill Pool.
10 Par Consols.
2 Wheal Kity.
1 Botaliack.
5 Great Wheal Alfred. 10 Devon Buny.
10 Bryntail.
50 Spearne Consols.
5 North Basset.
4 West Basset.
20 Wheal Hender.
1 South Frances.
100 San Fernando.

¹⁰⁰ San Fernando, George Spart Wheal Alfred. George SpartLey will be happy to forward his List of Dividend and Progressive Mines, that he considers desirable investments at the present moment. Holders of bares wil, be advised when to buy and when to sell, in accordance with the market ratue, or progressive improvement of the mine.
2, Winchester-buildings, London.

MR. LELEAN, 4, CUSHION COURT, OLD BROAD STREET, LONDON.—BUSINESS TRANSACTED in every description of BRITISH STOCKS, FUNDS, and SECURITIES; also, BRITISH and FOREIGN MINES.

MINE SHARES FOR SALE,-100 Pennance Consols, 10s. 1 N.E. S HARKES FOR SALE,—100 Fennance Consols, 10s.;

50 Buller and Basset United, £2%; 25 St. Austell Consols, 25s.; 20 East
Garras, 30s.; 20 Swanpool, £2; 100 Great Hewas, 3s.; 50 Lady Berths, 22s. £6d.;

50 Cwm Darren, 2s. £6d.; 100 Molland, 1s. 3d.; 100 West Sortidge, 5s. £6d.; 50 Great
Vor (Registered), £4%; 20 Marke Valley; 10 Wheal Wrey, £10%; 1 South Caradon,

£209; 10 Bryntail, £4%; 50 West Par, 12s.; 5 Par Consols, 1 Botallack, £20; 1

South Crinnis, £400; 2 South Garras, £135; 5 Alfred Consols, £18%; 10 Bedford

United, £11; 20 Fendeen; 1 Wheal Buller; 5 West Basset, £37%; 5 North Basset,

£45; 1 Wheal Basset, £415; 50 Sortridge Consols, £5%; and 1 Wheal Seton; all

actic cash prices this day. Also, a great many others, too numerous for an advertise
ment.

Ms. LELEAN, Mine Share Dealer.

4, Cushion-court, Old Broad-street, Dec. 28, 1855.

AMES F. BODDY, 15, OLD BROAD STREET, and MINING JAMES F. BODDY, 15, OLD BROAD STREET, and MINING EXCHANGE, LONDON, is prepared to BUY or SELL in any of the MINES quoted in the general List of the Mining Journal; and will be happy to advise with capitalists wishing to embark in bona fide mines, considering the present a most favourable opportunity to purchase in good sound mining property, paying regularly from 10 to 25 per cent. per annum. No investments offer so great advantages as judiciously selected mining stock; and partice will do well to avail themselves of the present depressed state of the market.

Holders of mining or other stock wishing to exchange their interest from progressive to dividend, or dividend to progressive mines, will be dealt with on the best possible terms, but must please state their business.

N.B. As so many applications have been made for the Cost-book Ruies, &c., J. F. Boddy will be happy to forward a correct printed copy to any part of the kingdom, on receipt of six postage stamps.

WANTED. — North Basset, West Sestom, West Sortridge, Sortridge Consols, Rosewarne, South Frances, Condurrow, West Caradon, Great Sheba, Lady Bertha, Vale of Towy, Bedford United, and others.

A correct list of prices, and every information, furnished upon application, either Personally or by letter.

Stock Exchange business transacted for the usual commission.

Dec. 29, 1855.

Bankers: Sir John Wm. Lubbock, Bart., and Co.

Craddock Moor Cwm Darren Devon Wh. Buller Eaglebrook East Basset East Buller East Frongoch East Russell

CEORGE MOORE will BUY or SELL, at the closest prices, in any 1 South Wheal Frances.
10 Trehane.
20 Trewetha.
5 West Providence.
3 West Basset.
20 Wheal Zion.
20 Wheal Grenville.
2 Wheal Kitty (Leiant).
10 Wheal Hender.

Y EORGE March T part of—

O Arthur,
O Alfred Consols,
5 Bolling Well.
S Bedford United,
S Buller and Basset Unit,
C Clijah and Wentworth,
C Caradon Consols,
C East Wheal Rose,
S East Wheal Rose,
O South Tamar,
I Rosewarne,
I R

GEORGE MOORE will be happy to advise with any capitalist who may be desirous our chasing British Mining Stock, either for a permanent investment, or for an adance in price. Business tra ance in price.

Business transacted in every description of British and Foreign Mines; and the
losest prices forwarded on application.

Gzonge Moore, Dealer in Mining Shares, 1, Crown-court, Threadneedle-street.

MR. JOSEPH JAMES REYNOLDS, STOCK AND SHARE-BROKER, No. 21, THREADNEEDLE STREET, LONDON.
Mr. Rhynolds continues to TRANACT BUSINESS in BRITISH and FOREIGN STOCKS, FUNDS, and SECURITIES, BRITISH and FOREIGN RAILWAY SHARES, DEBENTURES, &c. Also, in ENGLISH, IRISH, SCOTCH, and FOREIGN MINING SHARES.

MESSRS. POWELL AND COOKE, DEALERS IN MINING SHARES, No. 8, HERCULES CHAMBERS, OLD BROAD STREET, LONDON,—The above continue to DEAL in the SHARES of all the leading DIVIDEND and good PROGRESSIVE MINES.—Dec. 28, 1855.

MR. W. LEMON OLIVER, STOCK AND SHAREBROKER,
4, AUSTINITIARS, CITY.
BUSINESS TRANSACTED in HOME and FOREIGN RAILWAYS, FUNDS,
SECURITIES, BRITISH and FOREIGN MINES, &c.

MR. HY. SIBLEY, STOCK, SHARE, AND MINING AGENT,

MR. T. TYACK, MINE SHAREBROKER, AUCTIONEER, &c. CAMBORNE, CORNWALL.

MR. WM. SIMS, MINING SHAREBROKER AND GENERAL COMMISSION AGENT, REDRUTH, CORNWALL.

R. M. W. RAWDEN, MINE BROKER, GENERAL ASSAYER AND COMMISSION AGENT, LISKEARD, CORNWALL.

R. FRANCIS RIDGMAN, MINE SHAREBROKER, TAVISTOCK, DEVON. R. R. W. JENKIN, GENERAL ASSAYER, CALLINGTON.

MINING OFFICES, TAVISTOCK.—Messes. COMMINS and RICHARDS UNDERTAKE the ENTIRE MANAGEMENT and PURSER-SHIP of MINES, together with DIALLING and MAPPING.
Mines inspected, and reports furnished.

MR. RICHARD MICHELL'S MINING, AUCTION, AND GENERAL COMMISSION AGENCY OFFICES,
FORE STREET, REDRUTH.
Mines inspected, and information punctually invaded.

MR. NEWTON SAMUELSON, F.C.S., ASSAYER AND ANA LYTICAL CHEMIST,—3, HACKIN'S HEY, LIVERPOOL.

M. R. W. H. BRUMBY, STOCK AND SHAREBROKER I, QUIET STREET, BATH, is a BUYER of Bosecan, Sortridge Consols Great Alfred, Alfred Consols, Wheal Wrey, Wheal Zion, and West Polberro.

R. T. M. GEORGE, ASSAYER \mathbf{M}

THOMAS EDINGTON, PURCHASER AND INSPECTOR OF CASTINGS ON COMMISSION, 17, GORDON STREET, GLASGOW. MR. ADAM MURRAY, CONSULTING MINING ENGINEER, 76, CORNHILL, LONDON.

NGLISH DIVIDEND MINES.—Shareholders in dividend mines are not subject to calls or liability of any kind if they select the mines known to be free from debt, with large reserves, making considerable profits upon present workings, and paying dividends every two months, that are likely to be maintained for many years to come, varying from £15 to £25 per cent, per annum upon immediate investments. The great majority of the new adventures, termed mines, are in debt, without prospects, and utterly valueless. Safe and profitable investments can only be effected by acting upon reliable information. The undersigned are in constant communication with the best mining districts, do not speculate on their own account, but confine themselves exclusively to a commission business, and are, therefore, in a position to give an independent and disinterested opinion. Every information afforded for the safe investment of capital; and purchases and sales effected with the utmost promptitude, and upon the best possible terms.

JAMES S. TRIPP AND CO., 33, Clement's-lane, Lombard-street.

JAMES S. TRIPP AND CO., 33, Clement's-lane, Lombard-street.

CAPT. THOMAS DUNN, of TAVISTOCK, undertakes to INSPECT.
REPORT, and SURVEY any MINES or MINERAL PROPERTY in ENG-LAND, IRELAND, SCOTLAND, or WALES. No objection to take the management of any mine or mines in the neighbourhood of Tavistock.

MR. W. C. VIVIAN OFFERS HIS SERVICES to his friends and the public, to INSPECT and REPORT on MINES and MINING PROPERTY in any part of the world.—Address, Camborne, Cornwall.

MINING OFFICES, UNY LELANT, HAYLE, CORNWALL.

Mr. THOMAS TREWEEKE begs to inform his friends and the mining public generally, that he has COMMENCED BUSINESS at the above address as a SHARE-DEALEK and GENERAL COMMISSION AGENT; and trusts by strict attention to the interests of those who may favour him with their orders to merit a share of their patronage. Mr. Theweeke flatters himself that being in daily communication with the best mining authorities of the day, and having had very considerable experience in practical mining, he is in a position to offer more than ordinary advice as to what mines in which one should invest, or otherwise.—Uny Lelant, Dec. 15, 1855.

B. LAMBERT TENDERS HIS SERVICES to PARTIES R. B. LAMBERT TENDERS HIS SERVICES to PARTIES INVESTING in or SELING MINING PROPERTY. By the soundness of the Information to which he has access, and the bona fide character of the undertakings to which he directs attention, his constant endeavours are to secure the support of his clients; and any information relating to mining shares will at all times be inforded, either to parties now holding shares, or to those who may be destroused investing. OFFICIAL PRICES forwarded dairy on request; and a WEEKLY GE. NERAL LIST OF PRICES in SELECTED MINES, with a Commentary on the State of the Mining Share Market, published every Wednesday, in time for the evening than also will be forwarded, post free, on application.

Mr. LAMBERT is well acquainted with the markets for the following shares, in which he can always transact business at the closest prices of the day:—

Alfred Consols Marke Valley Theorems Bedford United Mary Ann Condurrow Nanieos & Penrhiw Trelawny Devon Great Consols East Wh. Margaret Rosewarne United Mines Exmouth and Adams South Caradon Great Wheal Vor South Prances Hingston Down South Tamar West Caradon Wheal Charlo

Carvannall Clijah & Wentworth Comford

opper Hill

Marke Valley Tincroft Mary Ann Trebane Beli and Lanarth Bryntail Callington Camborne Consols

North Towy
North Wheal Robert
North Wh. Trelawny
North Wheal Unity

FROGRESSIVE MINES,
East Tamar
North Towy
East Wheal Rose
Garreg Gilmar
Gonamena
Gramb. & St. Aubyn
h Great Sortridge
Great Wh. Aifred
Great Wh. Baddern
Merllyn
Messer
Mill Pool
North Buller
North Crofty
North Prances
North Rosewarne
North Meal Robert
North Wheal Robert
North Wh. Ifrelawny
North Wheal Robert
North Wheal Robert
North Wheal Robert
North Wheal Robert
North Wh. Ifrelawny
North Wheal Robert
North Wh. Ifrelawny
North Wheal Robert
North Wh. Ifrelawny
North Wheal Robert
North Meal Robert

Trenow Consol West Alfred West Frances West Par Con-West Sortridge West Par Consols West Sortridge West Stray Park Wheal Cupid Wheal Grenville Wheal Hender Wh. Kitty (St. Agn. Wheal Ludcott Wheal Russell Wheal Trefusis Wheal Tehidy Wheal Zion

West Providence West Seton Wheal Arthur Wheal Basset Wheal Builer Wheal Clifford

Wh. Kitty (Lelant) Wheal Wrey West Damsel

M.R. T. P. THOMAS begs to return his most sincere thanks for the kindness and support which he has received from his friends and the public in general in his business as mining auctioneer; and to inform them that he CONTINUES his PERIODICAL SALES BY AUCTION, trusting that his experience as a mining agent, and the confidence and support he has received from the leading shareholders in Corawall, London, and elsewhere, for the last 12 years, will be set advantage.

Dividend and established shares bought and sold privately at the closest prices. M.B. Mr. T. P. Thomas further begs to announce, that his sales by auction in no manner interferes with his business as a broker or agent, which he still continues; but, on the contrary, greatly facilitates same, as, in the event of being unsuccessful. 75, Old Broad-street, London, Dec. 28, 1855.

75, Old Broad-street, London, Dec. 28, 1855.

ESGAIR LLEE LEAD MINE, CARDIGANSHIRE, WITH THE BUILDINGS, MACHINERY, ORES, MATERIALS, &c., FOR SALE.

IN R. T. P. THOMAS has been favoured with instructions to SUBMIT TO PUBLIC COMPETITION, at Garraway's Coffee House, Change-alley, Cornhill, London, on Thursday, the 17th day of January, 1856, at fone c'lock precisely, in One Lot, the above valuable LEAD MINE, with the MACHINERY, BUILDINGS, WATER-WHEELS, LEAD ORES, DRESSING APPARATUS, PUMPS, MATERIALS, and PLANT, forming the whole of the property of the share-holders in and on the mine, consisting of a 10 ft. water-wheel, with powerful crubing machine and drawing muchine attached; a 25 ft. water-wheel, with crank and rods for pumping; 30 fms. of pumps; 2 round buddles; Jigging hutches; and dressing apparatus, complete, and in a full state of working.

This mine has made large returns of lead ore; and there is no doubt, if a little more money be expended in driving the levels eastward, that greater deposits of ore will be found than have been seen yet. By driving an adit into the mountain, a back of more than 100 fms. will be obtained; and the last bunch having produced between £4000 and £5000 worth of lead ore, and the load being now in the end 10 to 12 feet wide, there can be no doubt of this being a first-rate speculation. The sett is large, and the water is sufficient to work the mine, top any the sufficient to work the mine to any reasonable depth.

For particulars, and to view the mine, apply to Capt. JAMES LEXFER, New Inn, Ponterwydd, near Aberystwith; Mr. Thomas Roacu, 37, Old Broad-street; and the auctioneer, 75, Old Broad-street, London.

NINE VALUABLE HOUSES, WITH STABLE, OUTBUILDINGS, &c., N.

NINE VALUABLE HOUSES, WITH STABLE, OUTBUILDINGS, &c., NEAR THE ESGAIR LEE LEAD MINE, ESTEDFFA-GERRIG, LLANBADARN-FAWR, IN THE COUNTY OF CARDIGAN. FOR SALE. FAWR, IN THE COUNTY OF CARDIGAN. FOR SALE.

TROMAS is instructed to SELL, BY PUBLIC AUCTHOMAS is instructed to SELL, BY PUBLIC AUCTHOMAS, the 17th day of January, 1855, at One o'clock precisely, in One Lot, the
above valuable PROPERTY, consisting of one large residence, contaming eight
rooms, formerly called the Plynlimmon Hotel, and lately the residence of the captain
of Esgair Lice Mine; one bouse and shop; seven good, well-built, and commodious
residences for miners, and one stable; capable of lodging the captain and a regular
staff of miners, dressers, &c., for the above, or any other mine; held under lease for
80 years, from the 13th November, 1849, and worth from £45 to £50 per annum,
For further particulars and to view, apply to the auctioneer, 75, Old Broad-street;
Mr. Thomas Roacu, 37, Old Broad-street; and Capt. James Lester, Ponterwydd,
near Aberystwith.

MR. H. B. RYE, 77, OLD BROAD STREET, LONDON, having been brought up in the Cornish mining districts, and having devoted his life to the study of the various methods of working the mines, to the nature of the lodes, and to the geological indications of the ground in those localities, flatters himself, on account of the practical knowledge thus acquired, that he is in a POSITION to FURNISH HIS FRIENDS, and those who may favour him with commissions, with more positive, and consequently more VALUABLE INFORMATION, regarding the general prospects of the many Cornish mines now offering such tempting opportunities for investment, than those who merely possess an acquaintance with the London Share Market; while, at the same time, the high position he has so many years enjoyed in this, and his long connection with the Hull, Liverpool, and Manchester Share Markets, enable him, at all times, to buy and sell on the best possible terms.

A list of the best mines, either for speculation or investment, may be had on application.

MR. W. MICHELL, COMMISSION AGENT and DEALER in BRITISH MINES, is always in a position to BUY or SELL in most DIVIDEND MINES, as well as NON-DIVIDEND MINES, where the prospects are such as will lead to early dividends. Grautinious advice given on personal application, or by letter.—2, Crown-court, Threadneedle-street, London.

MINING INVESTMENT COMPANY (LIMITED).

Capital £100,000, in 10,000 shares of £10 cach.—Deposit £2.

This company will be strictly confined to Dividend Mines, paying on an average about £15 per cent. per annum, and will be carried on without risk, on the principle of mutual protection from all deceptive schemes or mismanaged concerns.

Early application for shares is requested to be made to the manager, Mr. Evan Horkins, at his offices, 96 and 97, Gresham House, Old Broad-street, London. The prospectus will be ready in a few days.

M.R. EVAN HOPKINS'S MINING RECORDS OFFICES.— Every INFORMATION connected with our MINING INDUSTRY, HOME and FOREIGN, may be OBTAINED at these offices. 96 and 97, Gresham House, Old Broad-street, London.

MINES AND MINING.—Mr. EVAN HOPKINS is now prepared to take under his OWN MANAGEMENT a few MINING UNDERTAKINGS, HOME and FOREIGN, at his Mining Records Offices, 95 and 97, Gresham House, old Broad-street, London. Shareholders are requested to make early application, personally or by letter.

R. HENRY GOULD SHARP, No. 4, CUSHION COURT, OLD BROAD STREET, LONDON, DEALS in all the DIVIDEND and GRESSIVE MINES, both ENGLISH and FOREIGN.

| The Corners of the Control of the Corners of the

WANTED.—The following, or any part, all calls paid:—

10 Bell and Lanarth, £4½. 2 East Wheal Rose, £56. 5 West Provid., £12¾.

10 Great Sheba, £3¾. 10 West Afred, £30½. 10 Eryntail, £6¼.

P.S. Parties wishing to purchase or sell shares of any description, will please forward instructions to Mr. H. G. Sharp, who will forward every information. FOURTH EDITION.
On the 3d January will be published, in crown 8vo., boards, pp. 300, price 3s. 6d.,

BRITISH MINES CONSIDERED AS A MEANS OF MINES CONSIDERED AS A MEANS OF INVESTMENT. By J. H. Mugchison, F.G.S., F.S.S., &c.

FOURTH EDITION, with an APPENDIX, giving a REVIEW of the PROGRESS of BRITISH MINES, and the dividends paid, during the year 1835, with their PRESENT POSITION and PROSPECTS, &c. This edition will contain full particulars of upwards of 100 of the principal Dividend and Progressive Mines in this country. On and after the 3d of January, 1856, copies may be obtained at Mr. Muncaison's offices, 117, Bishopsgate-street Within; or at the Mining Journal office, 26, Fleet-street, London.

THE MIDLAND IRON COMPANY, ROTHERHAM, YORK-SHIRE, MANUFACTURERS OF RAILWAY TYRES AND AXLES FOR LOCOMOTIVE ENGINES, CARRIAGE AND WAGON WHEELS. From the tests to which this iron has been submitted by engineers and railway companies during several years, its superior quality has been generally acknowledged, and can be un-hesitatingly affirmed.

THE PROGRESS OF MINING IN 1855.

By J. Y. WATSON, F.G.S.

BEING THE TWELFTH ANNUAL REVIEW.

Many circumstances have occurred in 1855 to render it one of the most important years in the annals of mining; for, whether we now regard the prosperous state of our home mines, the remunerative prices of metals, the large amount of dividends declared, the great advance in the price of shares in general, or the buoyancy of business transactions, they form a great contrast to the year 1854, which at this time twelvemonths was described as one of "unparalleled depression, and of almost unparalleled losses," and also to many previous years. Good, however, sometimes comes out of evil; and the principal cause of the mischief of 1853 and 1854-the number of new mines introduced to the public, and the heavy calls make to work them, made it imperative that many should be abandoned, which was done at great loss, it is true; -but their stoppage enabled many persons to breathe more freely, and to turn their attention to dividend mines, and to those which were progressing towards a profit-

The present prosperity of mining is to be attributed, in a great measure to the high standard of copper, and the good prices obtained for lead and tin ores, and also, in some degree, to the excellent discoveries made during the year, and to the important improvements in many mines, which will be more particularly referred to, under their separate heads, hereafter. And let us hope that, with the cause of the panic of previous years before us, we shall not again have to deplore the advent of too many young and

be more particularly referred to, under their separate heads, hereafter. And let us hope that, with the cause of the panic of previous years before us, we shall not again have to deplore the advent of too many young and speculative adventures.

The formation of the "Mining Exchange," with the greater security thereby given to share transactions, and the publication of a daily Official List of purchases and sales, which had never before been attempted, though loudly called for, has also had great influence with the public; and many capitalists, during the year, have sold out of railways which do not pay, and have invested in mines which do.

In giving the returns of metals, I am not able, as I also stated last year, to present them to the close of the year, as they are not yet made up. The copper returns for the 12 months ending June 30, are—Ore sold in Cornwall, 188,999 tons, yielding 1,241 tons 18 cwts. of fine copper, and 1,212,686f. 8s. in money; in Wales, 39,418 tons of ore, yielding 5251 tons of copper, and 573,507f. 4s. in money: making a total of 1,786,193f. 12s. During the previous 12 months, the number of tons sold in Cornwall was 11,779, yielding 1,153,756f. 3s. 6d.; and in Wales, 4748 tons, yielding 508,927f. 17s.: total, 1,662,686f. 0s. 6d. The increase, therefore, during the 12 months ending June 30, as compared with the corresponding 12 months of last year, is as follows:—Cornwall, 8282 tons of ore, 462 tons of fine copper, and 18,930f. 4s. 6d. in money; Wales, 3262 tons of ore, 462 tons of fine copper, and 18,930f. 4s. 6d. in money; Wales, 3262 tons of ore, 533 tons of copper, and 64,677f. 7s.: total increase of money realised, 121,507f. 11s. 6d. The average produce—that is, the quantity of fine copper in the ores per cent.—has been, in Cornwall, 6½; average standard, or price of the copper in the ore (less returning charges, &c.), 141f. 10s.; average price per ton of ore received by the miners, 6d. 8s. 6d. During the quarter ending Sept. 29, 49,106 tons of ore have been sold in Cornwall, realisi

of silver to the ton.

At this time last year, the lead trade was in a very depressed state, owing to various causes, which I then assigned; but a few months afterwards it became more active, and as the smelters were short of stock, the miners reaped the benefit in a rise of 4l. and 5l. per ton on their ores. For some months past there has been a continuous drain upon the stock in hand, so that the smelters and dealers were never so low in stock. In in hand, so that the smelters and dealers were never so low in stock. In consequence of the great falling off in the imports from Spain, and the steady demand from the United States, it is probable the price will be maintained at present rates so long as the war lasts; and should peace be arranged, a considerable advance may be looked for, as Russia, hitherto one of our best customers, has taken none for a very long period, and will require at once 3000 or 4000 tons.

For course, the demand for several and home commenting the several and home comments.

require at once 3000 or 4000 tons.

For copper, the demand for export and home consumption is good, and the stock in hand much lower than usual. The great activity in the Government and private ship-building yards is taking off large quantities of copper and yellow metal; whilst, at the same time, the railway interest is consuming largely in a variety of shapes. Looking at the probable increased demand for ship-building purposes in the United States, as well as for new railways in India, and various parts of Europe, the probability is in favour of higher, rather than lower, rates for copper.

The price of tin has been more remunerative this year to the miner, though the returns have not yet been made up to the end of the year. In the quarter ending March 25, 453 tons, yielding 28,623t. 13s. 2d., were sold; quarter ending June 30, 737 tons, yielding 44,929t. 17s. 11d.; and quarter ending Sept. 29, 1013 tons, yielding 64,637t. 9s. 11d.: thus showing a large and gradual increase. In 1854, Cornwall and Devon yielded 8747 tons of tin ore, making 5186 tons of black tin, and 344,643t. 19s. 3d. in money.

in money.

If we take the value of lead ores, including silver, raised in the United Kingdom in 1854 as being 1,177,189/.; copper ores, 1,963,306/.; tin, 344,643/., we find the gross value of metals raised in one year, by the capital of mining adventurers, and the energy of our miners, to be three millions four hundred and eighty-five thousand one hundred and thirty-cibe thousand one hundred and thirty-cibe thousand one hundred and thirty-cibe would sheeling, and when made in the returns for the present year. de up, the returns for the prerling;

will exceed this.

According to the mineral statistics of the Geological Survey, it would appear that, in addition to the returns of copper, lead, and tin, the total produce of pig-iron in Great Britain in 1854 was 3,069,838 tons. The total produce of coal in the United Kingdom was 47,421,651 tons. The ores of zinc—viz., black jack, 4531 tons; calamine, 280 tons: the value of zinc smelted in England, 16,500%. The produce of salt was 950,000 tons—Cheshire yielding \$50,000 tons; Worcestershire, 100,000 tons. Of the ores of sulphur, mundic, or iron pyrites, Wicklow returned 34,000 tons; Arklow, 90,000 tons; Cumberland and Westmoreland, 2400 tons. Of arsenic, the Cornish mines sold 476 tons. Of barytes, Isle of Arran, 600 tons, Derrenala Mine, 2500; Cork, 80 tons; Alston Moor, 121 tons. Of nickel and cobalt, St. Austell Consols sold 75 tons. Valued at the current prices of the year, the total mineral produce of the United Kingdom in 1854 was 28,575,922%. The total number of persons of all ages employed in mining operations was 303,977—viz., 219,977 in coal mining; 26,106 in iron mining; 21,169 copper; 14,761 tin; 21,749 in lead; and 174 in zinc.

The discovery of the mode of reducing aluminium and silicium to a metallic state has created much interest, as although dear at first, from their peculiar properties, they will afford additional resources to the arts. Sili-

peculiar properties, they will afford additional resources to the arts. Sincium is stated to make a most valuable alloy with copper.

In giving the list of dividends paid during the year, the first column shows the amount of capital originally subscribed per share on each mine, and the second the present market value per share. I also give the amount

		s paid in 1854, so that the increase or decrease of each a at once, he has sold all drawet marris won at the se	
	regularly n	BRITISH MIJES.	rtune
1	Name of	Amount Market Dividend Total Dividends Increase	Dee.

Mine. Paid. vo	lue, per	Mare.	in .855.	24	n 1854.	SILLE	1855.	
Devon Gt. Cons. £1 £4	10	36 1	57,344	£	57,344	45	AUTO TO	15-
Wheal Busset 5 14		371/4			34,560		640	JE 18191
Wheal Buller 56					53,760		-	20480
North Basset		3%	21,750	*****	4,500		17250	-
West Basset		314	21,000	*****	9,000		12000	-
South Frances1408		8014			7,440		12524	-
South Caradon. 256 8		48	12,288		13,312			1024
West Caradon 201			3,328		6,912			3584
	6161		5,700		10,125			4125
			1,300		5,400		400	
Bedford United. 2%		293						
Hingston Down 3%		7s6d	8,250		4,050		4200	= 1
West Seton6			7,000		3,000			- 1
Wheal Wrey £1 9		16s	3,276			*****	3276%.	7
West Damsel 10			2,560				1024	
Wheal Arthur 9		21/4	3,070		3,684			14
Phœnix 306					10,000			-
Par Consols 116			7,680			*****	7680	
Alfred Consols 21/2		23s			16,896			11008
*Rosewarne 12					-		7936	-
*South Crinnis. 183	000	60	7,680	*****	-	*****	7680	- 1
United Mines 402	70	9	3,600		800	*****	2800	-
"Wheal Clifford6		7 7	1,344		-	*****	1344	-
Condurrow 201	40	8	2,048		2,304		***	256
Providence 20	50	114	6,300		1,480		4820	_
Botallack 182 2	20	40	8,000		11,100			3300
Wh. Margaret., 791		10	1,120		2,016			896
*Great Wh. Vor					_		6666	
Wheal Owles 702					3,400			
West Providence 5								2048
*Wheal Kitty 516		4				******	1024	
Dolcoath257		3						
East Pool 5		716						
Seton1071		7	1,387					
Carn Brea 15		4	4,000					
*Gt. Sou. Tolgus 216	6					******	750	
		%			_		1536	
		38			_	*****	900	

							1000	
		214	1,280		_	*****	1280	
Treweatha 31/4	314	¥	1,014			*****		
Spearn Moor 23		3			-	******		
Trehane ¥	4	¥						
Levant 214		6						
*Wheal Bal 614		1		*****				
Tresavean 10		12				0		
Exmouth 41/2						9		
Polberro 15		214				5		
*Carnyorth 3	4	98		*****	_			
	11/9					*****		
*Brightslde		1	100		_	*****		
Peak 7%	11	1						488
Eyam 31/4	26	1	1,200		4,200		-	3000
Fowey Consols . 40	30	1	494		-	*****	491	
Wellington 81/4	36	36	. 128	B				
	-							

£338,069 3s. 4d. Total FOREIGN MINES.

Mines.			are		Amo	unt.	
Cobre Copper	28	0	0	**********	£96,000	0	0
St. John del Rey	4	0	0	***********	44,000	0	0
Mexican and South American	0	15	0		15,000	0	0
Linares	0	10	0	***********	5,000	0	0
	ĭ	0	0		10,000	o	ü
Copiapo						0	o
Burra Burra	5	0	0	**********	12,320		
Waller	0	0	9	**********	2,625	0	0
Lusitanian	0	2	61	***********	1,250	0	0
Peninsular	0	9	6	*********	3,125	0	0
Pontgibaud	1	ő	0	************	10,000	0	0
Clange 1 Minima Association							
General Mining Association	0	10	0	***********	10,000	0	0
Total				1	2209,320	0	0
WELSH	M	IN	ES.				
Lisburne	4.7	10	0		£ 3,000	0	0
Cwmystwith		0	0		2,560	0	0
Cwinystwith	20			**********			
Cefn Brwyno	3	0	0	**********	600	0	0
Vale of Towy	0	1	0	**********	1,000	0	0
Nantees and Penrhiw	0	1	0	*******	375	0	0
Total			*****		£7,535	0	0
SCOTCE	1 1	IIN	E.		,		
Kirkoudbright	£0	3	0	*******	£117	18	0
ISLE O							
******	-						
Laxey£		0	0	**********	£1,000	0	0
Foxdale	4	0	0	**********	8,960	0	0
Total					£9,960	0	0
IRISH							
Mining Company	-	8	0		£29.000	0	0
Newtonards	~ 3	0	0		1,410	0	o

	0	2	6	******	250	0	0
Holyford							0
Holyford			****		£29,660	0	v
TotalGRAND	T	OT/	L.				
Total	T	OT/	L.		£29,660 £338,069		4
Total	T	OT!	L.		£338,069	3	
Total	T	OT!	L.		£338,069 209,320	3 0	4
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Total GRAND British GRAND Foreign Welsh Sootch	T	OT!	L.		£338,069 209,320 7,535 117	3000	4 0 0 0
Total	T	OT!	L.		£338,069 209,320 7,535	3 0	4 0 0

Total .. £594,661 3 4 For the sake of comparison, I give, as usual, the dividends from profits

d Dirtish min	ies since i	040:-					
Year ending	1845, on	18 mines	 	£215,450	0	0	
**	1846, on	28 ,,	 	158,838	0	0	
**	1847, on		 	155,381	0	0	
**	1848, on		 	129,024	0	0	
**	1849, on		 	185,741	0	0	
"	1850, on		 	213,570	0	0	
**	1851, on	45 ,,	 	216,486	0	0	
**	1852, on		 	261,267	0	0	
**	1853, on	60 ,,	 	330,755	0	0	
"	1854, on	52 ,,	 	317,976	0	0	
	1955 on			999 060	9	A	

From this it will be seen that British mines have paid dividends, from

From this it will be seen that British mines have paid dividends, from profits to the shareholders, to the extent of 2,832,157L, in 11 years. In the British Dividend List this year 54 mines have paid 338,069L 3s. 4d.; last year, 52 mines paid the sum of 317,976L: this year, therefore, shows an increase of 20,193L 3s. 4d.

The mines in the Dividend List of 1854, and not in that of 1855, were—North Pool, which in 1854 paid 5200L; Balleswidden, 406L; St. Ives Consols, 750L; Great Work, 1785L; Herodsfoot, 384L; Treviskey, 720L; Tremayne, 384L; Great Crinnis, 1500L; Trumpet, 1000L; East Margaret, 256L; Mondip Hilla, 1875L; Trelyon, 572L; Tywarnhaile, 3750L; Lovel, 2580L; Wheal Friendship, 1024L.

Those in the present list, and not in that of the year previous, are—Wheal Wrey, which has paid 3276L; Par Consols, 7680L; Rosewarne, 7936L; Wheal Clifford, 1344L; Great Wheal Ver, 6668L; Wheal Kitty, 1024L; Great South Tolgus, 750L; Wheal Charlotte, 1536L; Fowey Consols, 494L; South Crinnis, 7680L; Wellington, 128L; Marke Valley, 900L; Wheal Bal, 240L; Carnyorth, 921L; Nether Hearth, 320L; Brightside, 100L; Spearn Moor, 840L. Of these, Wheal Wrey, Rosewarne, Wheal Kitty, Wheal Charlotte, Carnyorth, Nother Hearth, and Brightside, are new mines; and the former two will, doubtless, greatly add to the Dividend List next year.

Devon Great Consols has paid just the same amount of dividends in in 1855 as in the year previous. Buller has fallen off 20,480L. I stated, in my Review last year, that the same rate of dividends then paid could not be expected again, but it is honed the present agale may be kent up the same and the same and the part of dividends then paid could not be expected again, but it is honed the present agale may be kent up the same and the same and the same and the part of dividends then paid could not be expected again, but it is honed the present agale may be kent up the same and the present agale may be kent up the same and the same and the same and the sam

mines in Cornwall, and, from the number of shares, are accessible to all, South Frances has indicensed 12.5242. We scattered to present that year that the dividends would measure it to be brighted to present the polymouth of the present of the polymouth of the first of the polymouth of the first of the place. West Seton has necessed 4000. and 563 fair to do were investigated to the place. West Seton has necessed 4000. and 563 fair to do were investigated to the place. West Seton has necessed 4000. and 563 fair to do were investigated to the place of the place of the place. We set the place of the

Among the mine progressive mines of last year, which I stated bid fair to be in the Dividend List of 1855, several have disappointed expectation, though two of them—Great Wheal Charlotte and Rosewarne United—have paid well, and the latter beyond what could then have been hoped or reasonably expected—in fact, this mine has been the "great gun" of the year: scarcely known 12 months ago, the profits divided have been 7936L, and the shares have risen from 26L to 136L; but it will, as in the case of others also, be more particularly referred to under the head of its particular district. One other of the nine, Sortridge, will probably pay in January next; and Clijah and Wentworth, and North Robert, during 1856. The others—Great Alfred, West Alfred, West Stray Park, and St. Day United—remain still in a state of uncertainty.

The Share Market has been fluctuating, but generally with an unward.

St. Day United—remain still in a state of uncertainty.

The Share Market has been fluctuating, but generally with an upward tendency; for, whilst there are few of the heavy declines noticed last year, many shares have risen some hundreds per cent. Rosewarnes have risen from 35l. to 140l.; South Frances, from 250l. per 256th to 380l. per 512th; Wheal Basset, from 50l. to 830l.; North Basset, from 21l. to 43l.; West Seton, from 200l. to 650l.; Condurrow, from 110l. to 140l.; United Mines, from 120l. to 250l.; Wheal Clifford, from 210l. to 600l.; Alfred Compols rose from 18l. to unwards of 20l. then down to 10l. and United Mines, from 120l. to 250l.; Wheal Clifford, from 210l. to 600l.; Alfred Consols rose from 18l. to upwards of 20l., then down to 10l., and again up to 22l., leaving off 18l.; North Robert, up from 20l. to 40l., now 37l.; Sortridge Consols, from 12l. to 7l., and now 5l.; West Caradon receded from 180l. to 130l.; South Caradons have remained steadily at about 310l.; East Basset rose from 25l. to 70l., and down again to 43l.; West Frances, from 19l. to 38l. and 40l., now 35l.; South Cargoll, from 19l. to 70l.; Craddock Moor, from 12l. to 40l.; Wheal Wrey, from 4l. to 9½l.; South Tamars rose from 7l. to 10l., and then dropped to 6½.; Hingston Down have fallen from 14l. to 7l.; Bedford United, rose from 10l. to 12l., and now 11l.; Devon Great Consols, from 380l. to 410l.; Wheal Cupid, from 6l. to 13l.; East Gunnis Lake, from 11. to 5l.; Ludeott, from 10s. to 50s.; South Garras, from 16l. to 140l.; East Garras, from 1s. 6d. to 40s.; Herodsfoot declined from 6l. to 12l.; Grambler and St. Aubyn, 20l. to 60l.; East Rose, 30l. to 80l.; Trevelyan rose from 1l. to 3½l., 4l.

10s.; Ko 50s.; South Garras, from 16t. to 140t.; East Garras, from 1s. 6d. to 40s.; Herodsfoot declined from 6t. to 2t.; Grambler and St. Aubyn, 20t. to 60t.; East Rose, 30t. to 80t.; Trevelyan rose from 1t. to 3\frac{1}{2}t., 4t.

Devon Great Consols.—The quantity of ore sold from these mines for the last 12 months amounts to 23,467 tons, realising the sum of 131,294t. 3s., or 5t. 11s. 6d. per ton (exclusive of carriage, which is 8s. 6d. per ton), and have divided 57,34tl. profit. The mines are represented as looking well. At Wheal Maria, Gard's engine-shaft has been sunk 95 fathoms. In the 60 fathom level a cross-cut is being driven north, which has been extended upwards of 9 fathoms; the ground, however, continues hard, and progress consequently slow. No lode has yet been met with. At Wheal Fanny, the western engine-shaft has been sunk 135 fms., and a cross-cut is being driven north, in ground easy for progress. The eastern engine-shaft has been sunk to 85 fm. level east the lode is 5 feet wide, worth 1 ton of ore per fathom. At Wheal Anna Maria, the engine-shaft is down about 140 fms. In the 124 fm. level west the lode is 3 feet wide, worth 2 tons of ore per fathom; in the same level east the lode has become very large; it is 12 feet wide, worth 2 tons of ore per fathom, and altogether very promising. In the 95 fm. level, west of the same shaft, on the north part of the lode, the driving is suspended for the present, and the men put to drive a cross-cut north thereof for intersection of another part of the lode, gone off in that direction some 15 fms. east of present end, which will be reached in about 6 fms. driving. In the 95 fm. level, west, on the south part of the lode, the lode is a most magnificent course of ore, worth 15 tons, or 200t, per fm. In a new winze below the 95 fm. level, and the lode is worth 200t, per fm. Vigu's winze, below the 80 fm. level, and the lode is worth 200t, per fm. Vigu's winze, below the 80 fm. level, and the lode is worth 3 tons of good ore per fm. In the 175 fm. level cro

May, the ores in reserve were valued at 300,000t., and have since increased. Taking the price of shares at 400t, the present dividends pay about 14½ per cent. interest.

Wheal Basser has sold 7713 tons of copper ores this year, realising 71,095t, 15s., out of which 35,200t have been paid as profit to the shareholders. There are four lodes in the mine, all productive; the principal of them, Paddon's lode, is yielding in the different ends 14 tons of rich copper ores per fathom. Williams's south lode is also very productive. Giesler's lode produces about 3 tons per fathom. The south mine, which has been working at a loss, has two lodes, which are now becoming productive, and may, ere long, add greatly to the returns of the parent mine. Taking the market value of the mine at 400t, share, or 204,800t, the present rate of dividends yield 17½ per cent. per annum; and, looking to the general prospects of the mine, there is no reason to fear any decline, but on the contrary, rather an increase.

North Basser has sold this year 4574 tons copper, realising 45,628t, 3s., and has divided 21,750t, in profit. The mine has progressed during the year in an extraordinary manner, and the shares (6000 in number) have risen from 21t, to 43t, each. The reserves in the mine are calculated at upwards of 200,000t, and whilst the ores are far beyond the average value of Cornish ores, the ground is very easy to work, rendering the costs comparatively small, two most important things in mining. Taking the price of shares at 43t, and the dividends at 17s. 6d. per share, bi-monthly, the interest paid is 12½ per cent. per annum, but the chances are the dividend will be 12t, per share, bi-monthly, the realistic per cent.

From this it will be seen that British mines have paid dividends, from profits to the shareholders, to the extent of 2,832,157L, in 11 years. In the British Dividend List this year's mines paid the sum of 317,876L; this year, therefore, shows an increase of 20,193L 3s. 4d.

The mines in the Dividend List of 1854, and not in that of 1855, were-North Pool, which in 1864 paid 5200L; Balleswidden, 406L; St. Ives Consols, 760L; Great Work, 1785L; Herodsfoot, 384L; Treviskey, 720L; Tremayne, 384L; Great Crinnis, 1500L; Trumpet, 1000L; East Margaret, 256L; Mondip Hills, 1875L; Trolyon, 572L; Tywarnhaile, 3750L; Lovel, 2580L; Wheal Friendship, 1024L.

Those in the present list, and not in that of the year previous, are Whoal Wrey, which has paid 3276L; Par Consols, 7680L; Rosewarne, 7936L; Wheal Clifford, 1344L; Great Wheal Vor, 6666L; Wheal Kitty, 1000L; Share Wheal Wrey, which has paid 3276L; Par Consols, 7680L; Fowey Consols, 7680L; Organis of the state of the state of consols has paid in the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 360L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends still more. Taking the price at 350L per share, the present rate of dividends sti

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Wheal Cliffork, during the year, has sold 1499 tons of copper ores, yielding 11,642. 7s., and 13441. los. lod. paid in dividends. Shares have risen from 200l. to 650l, in the year, chiefly owing to the improved prospects; and in February next it is expected the dividend will be 8l. to 10l. per share. The mine is in Gwennap, bounded on the west by the United Mines, north by Great Consols and Wheal Fortune, and east by Nangiles. In the 150, 160, and 170 fm. levels west there is a lode averaging 80l. to 90l. per fathom, and the 160 north 120l. per fathom. The lode in the 180 fm. level, at the United Mines, is said to be near to the boundary of Clifford, and a good lode in the end. The 194 fm. level is within 15 or 20 fms., and exceedingly rich.

United Mines have returned 9583 tons, realising 52,235l. 1s. 6d. this year, and 717 tons more for sale, and have paid dividends of 3600l. Larger dividends would have been paid, but for the purchase of a large interest in the Great Consols. The lode in the 194 fm. level is very rich, but was for some time suspended. It is now resumed, but is within 15 or 20 fms. of Clifford. The 208 is yielding 15 or 16 tons per fathom, and is about 30 fms. from Clifford. The 220 fm. level is 70 or 80 fms. off.
South Cann Brea.—Shares in this mine lately took a start from 5l. to 10l. each. The flat-rod shaft is sunk to the 40 fm. level, and there is a good branch of ore in the bottom, 5 feet wide.

East Basser, from its excellent position, will command more attention some day, but the ground during the past year has been very hard and

East Basser, from its excellent position, will command more attention some day, but the ground during the past year has been very hard and expensive, and the progress made consequently slow. The engine-shaft has been sunk below the 60 fm. level, and a cross-cut is driving south to with the extended of the consequence.

cut the south lode.

West Frances is bounded on the east by South Francis and West Bas WEST FRANCES is bounded on the east by South Francis and West Basset, with the principal lodes in both these mines running through the sett, and there is scarcely a doubt of its yet making a rich mine, although a liberal course of working has been pursued, and a considerable amount of capital expended, so far, with very small returns. Public confidence, however, in its eventual success continues undiminished. As a very favourable change has lately taken place, both in the size and character of the lodes, and a course of ore might suddenly present itself, without in the least surprising the men driving the ground.

WHEAL GRENVILLE, adjoining South Frances, on the run of the lode of this mine and of West Basset, has had altogether 18,000% expended upon it by the late company and the present. A cross-cut is in course of driving in the 35 fm. level and in the 70, to intersect two lodes in the old part of the mine; whilst at Newton Moor the South Frances main lode has been cut, worth 23% to 30%, per fathom for tin. The Newton shaft is down 30 fms., and it will take three months to get under the tin ground, where a course of copper is expected, and, if met with, the mine will take an important position.

WEST GRENVILLE is the old Tolcarne Mine, which has just been put to work under this title. The prospects are good, and the mine will be tried for a small outlay.

FOR a small outlay.

SOUTH CONDURROW is a very fine piece of mining ground to the north of Grenville, and on the run of some of the Basset lodes, and is about to be vigorously prosecuted, with fine prospects of success. A shaft has been sunk to the deep adit of 40 fathoms, where a lode has been cut, and also another 16 fins to the south.

NORTH FRANCES is on the southern side of the summit of Carn Brea, between Carn Brea Mines and West Basset. The sett is a large one, and traversed by several lodes of copper and tin. The workings have been going on about three years, and the ou..ay has been about 11,000%, in 2500 shares. A good discovery has lately been made in the 42 fm. level from surface, on Vernon's lode, which is nearly in the middle of the sett. The object of the shareholders is to sink about 30 fathoms deeper on this lode, and then cross-cut north and south to the side lodes. The north part of the mine is in granite, the south in killas. It is worked by a 30-in cylinder engine.

cylinder engine. EAST BULLER adjoins Wheal Buller, north and east, and Basset Mine or the west. The present workings are driving cross-cuts south in the eastern part of the sett, in the 20 and 40 fm. levels, to intersect the Buller lodes

and which makes the mine an excellent speculation. Copper Hill and Buller drain East Buller to a depth of 60 or 70 fathoms.

NORTH BULLER adjoins North Basset westward, and has all the north lodes of that rich mine, and it is generally believed that perseverance in

lodds of that rich mine, and it is generally believed that perseverance in this sett will obtain a prize.

Wheal Uny, in Redruth, is bounded on the west by South Carn Brea and the Carn Brea Mines, is being worked in a spirited manner, and returning good quantities of tin and copper, but at a great loss, and the long-continued and heavy expenses are wearing out the shareholders. It is to be hoped that eventually a good and profitable mine will reward them for their present trials.

PEDN-AN-DREA UNITED MINES are situate in Redruth, the name signifying "top of the town" and are upon the run of the Carn Bree Idea.

PEDN-AN-DIRA UNITED MINES are situate in Redruth, the name signifying "top of the town," and are upon the run of the Carn Brea lodes eastward, also adjoining Clijah and Wentworth and Trefusis. About 15,000l has been paid up on 10,000 shares and expended, and the mines yielding large returns of tin, and some good quality copper ore. The machinery consists of a 70-inch drawing engine, with three boilers and pitwork; a 32-inch steam stamping-engine, with 48 heads, and capable of taking 48 more, which will go to work in January next; and a 24-inch steam whim-ongine, now drawing from the 80 fm. level, and above. The returns during 1855 have amounted to 4500l, including tin, copper, and arsenic; and a similar amount in ore is stated to be broken underground and at surface, awaiting the completion of the steam stamps, after which the monthly returns will more than meet the current expenditure. In the meanwhile, a call of 6s, per share will be made to pay for the stamps, new boiler, calciner, and other appendages; and this, it is believed, will bring the mine into a dividend-paying condition. There are numerous lodes in the sett; the great lode, and that called Martin's lode, in the 60 and 80 fm. levels, have been for several months worth from 60l, to 100l, each per fm., and the greater part wrought at 4s, tribute. and the greater part wrought at 4s. tribute. CLIJAH AND WENTWORTH has sold 874 tons of copper ore this year, rea-

CLIJAH AND WENTWORTH has sold 874 tons of copper ore this year, realising 50741. 7s. There are seven known lodes running through the sett, and a bold course of working is being pursued to develop them. Besides the copper lodes now being worked, the old Clijah tin lode has been lately cleared up in the old workings, in the 20 fm. level, on the back of which lavel a bunch of tin worth 2001, per fathom has been discovered. No great importance, however, is attached to this discovery for itself alone, as it is but a piece of ground left by the old miners, but it is exceedingly important in regard to what may be expected in opening ground on this lode. Altogether, this mine offers great hopes of early profitable results.

Bell and Lanarth, in Gwennap, adjoins the old Penstruthal Mine, which in former years left very large profits, and has a continuation of its lodes. Operations have been, for some time past, carried on upon a limited scale, and confined to driving a deep adit north and south of the deep valley running between the Bell and the Lanarth setts; this adit will intersect the lodes and drain them at a depth of 70 fms. In about three or four months this object will be accomplished, and great expectations of success are entertained.

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tions of success are entertained.

TRELEIGH CONSOLS (near Redruth).—The old mine was sunk 150 fms. Treleigh Consols (near Redruth).—The old mine was sunk 150 fms. from surface, and large quantities of ores raised between the adit and 90 fm. Ievels, and for a great many fathoms in length. The most productive levels were the 80 and 90, contiguous to, and in the vicinity of, the great cross-course which runs through Wheals Harmony and Montague, Pedn-an-drea, and Sparnon, to the east and west of which cross-course most mines in the district have preved productive: 80 fathoms to the south of the Treleigh lode traverses a fine crystalline porphyry; in some places quartz predominating, when it is accompanied by small crystals of red felspar, the whole being exceedingly hard. But where the felspar prevailed, the elvan was whitish and decomposed, and the slate on both sides of it was traversed by numerous small veins of ferruginous quartz; and it was here where the lode produced the greatest quantity of ore. This elvan course ran parallel with the lode, dipping north 5 feet in a fathom, and intersected it at 90 fms. deep, the lode at the junction being rich in yellow copper ores. It was the opinion, however, of Capt. Prince that no great riches would be met with under this elvan, and although the shaft was sunk to 125 fms. under adit, and levels driven in a great many fathoms east and west, in the 100, 110, and 125 fm. levels, the lode yielded sareely any ore; and in the beginning of the present year the pitwork was brought to surface, and the old mine abandoned. Since this, attention has been turned to Good Fortune and Stranger lodes, both of which, it is corsidered, may turn out profitable. Carr's engine-shaft has been tank 40 fms. from surface, and about 40 fms. east of the great cross-

s baid in 1854, so that the increase or decrease of each

of food Fortune.

Norm Downs adjoins Treleigh, and has been extensively and profitably worked on the course of the same lode, until disturbed by the arms elvan course, when the deeper levels were abandoned. The operations are now confined to opening a part of the lode at 26 fms. from surface or adit level; this is in whole ground for a distance of 200 fms.—lode 2 feet wide, producing good stones of copper ore. The principal object, however, is to try the mine west of the great cross-course, and this will shortly be drained by a 60-inch cylinder engine, and the prospects are very encouraging.

object, however, is to try the mine west of the great cross-course, and this will shortly be drained by a 60-inch cylinder engine, and the prospects are very encouraging.

Wheal Terfusis.—It is found that the lodes cast of the cross-course, which pass through boundary shaft, are larger than westward. A 15 fm. level has been driven from this shaft upon Field's lode (known as Julia lode, in Clijah) for a distance of 40 fms.; here a new shaft has been put down, and the engine removed to this spot. A few fathoms westward, the Clijah and Wentworth lode strikes in and forms a junction with Field's lode, and they run together eastward. In the present end the lode is 3 feet wide, composed of gossan, iron, and stones of copper ore, very soft for driving. To the eastward are several cross-courses, and the killas, at no great distance, forms a junction with the granite.

BULLER AND BASSET MINES are to the south-east of South Frances and Wheal Basset, and, therefore, in a rich district, and during the year a 36-inch cylinder steam-engine has been erected, the shaft is down 23 fms., and in about a month it is expected the lode will be intersected in the shaft. The flat-rod shaft is down 33 fms., sinking on the course of the lode. The balance in hand last bi-monthly meeting was about 1800.

BASSET GAZE (adjoining Wheal Clifford).—In the cross-cut north, in the 30 fm. level, a lode has been intersected; it is about 3 feet wide, worth, in the present end west about 1\frac{1}{2} ton of yellow ore per fathom. The south lode is expected to be cut daily. The mine looks exceedingly well to improve.

Canyanall has progressed very favourably during the year, and, from

in the 30 fm. level, a lode has been intersected; it is about 3 feet wide, worth, in the present end west about 1½ ton of yellow ore per fathom. The south lode is expected to be cut daily. The mine looks exceedingly well to improve.

Carvannall has progressed very favourably during the year, and, from its excellent situation, is likely to become an important proporty; it is near Gwennap, and on the Comford and Tresavean north lodes. The depth is 118 fms. below the adit of 35 fms., and the principal object now is driving the levels west to intersect Penstruthal cross-course, around which the latter mine gave considerable profits.

West Damsel (near Grambler) has sold 1018 tons of ores this year, realising 62564. 5s., and has divided 25604. 223 tons more of copper ores would be sold on the 27th inst., but two late for insertion here.

Camborne Consols.—The prospects here are considered favourable. The mine is a good position, and 50 fms. deep.

Wheal Harrit, which is well situate in Camborne, bounded on the north by Stray Park and Dolcoath, on the east by Cook's Kitchen, and on the south by Condurrow, has disappointed expectation so far, but hopes are still entertained of good results. Capt. John Lyle has recently taken the management, the engine is set to work, and the water forked to the 50 fm. level. At 6 fms. below the present depth of the shaft (84 fms.) a junction of two lodes takes place; and here, from the gradual and favourable change in the ground, a good mine may be expected.

St. Day United Mines.—This fine run of mines have sold this year 3175 tons of copper, realising 24,0081. 17s., besides large quantities of tin. I regret, owing to the meeting being held so late, I have not been able to obtain the latest particulars from Cornwall for this publication.

Tresaven has this year returned 2639 tons, yielding 10,0531. 13s 8d., and 530 tens more for sale, and has again appeared in the Dividend List, paying 11521. This mine, once the richest in the kingdom, has paid dividends to the shareholders exceeding

East Tolous, Redruth, is situate to the east of South Tolgus and Great EAST TOLOUS, Redruth, is situate to the east of South Tolgus and Great South Tolgus. A steam-engine, of 36-in. eylinder, has been lately erected, and the works in full operation. The engine is placed on the engine-shaft of the Old Redruth Consols Mine, which is now being sunk below the 22 fm. level; and when the old Redruth Consols lode will be explored. A shaft has also been enlarged for the trial of the old North Buller lode, and this will be drained by fiat-rods. Some very good ore ground has been laid open on this lode, in the adit level, under which a 10 fm. level will soon be carried.

Grambler and St. Aubyr, near Redruth, and in the Basset district, has been at work many years, and is now beginning to attract considerable.

will soon be carried.

Grambler and St. Aubyn, near Redruth, and in the Basset district, has been at work many years, and is now begining to attract considerable attention. The sett is very extensive, and bounded on the north by Wheal Cupid, on the west by Pedn-an-drea, and on the south by Trefusis. The Grambler part of the mine, on which stands the steam-engine, and a very powerful one, is now suspended, and the present workings are on the St. Aubyn part of the sett, on parallel lodes, of a numerous and promising character. Three of these are at present opened on at a depth of 12 fms. and 24 fms. below the adit, which is a very deep one; and the sump-shaft, which communicates with the engine by means of flat-rods, is now sunk to the 36 fm. lovel; this level will speedily be extended east and west, and cross-cuts driven north and south to cut other lodes. Of the three lodes at present worked on—viz., Richards's, Simmons's, and Williams's, the two former will unite in depth, and a great discovery may daily be expected on their coming together in the shaft which is sunk between them. William's lode is a large and promising one, and worth in the 12 fathom level 20/. to 25/. per fm. It was lately met with in the 24 cross-cut, and on this level being extended, judging from the appearance of the 12, it is likely to become rich and productive. It is believed that from the number of lodes, the character of the gossan, &c., and the rich quality of the ores, the mine will be in the Dividend List in course of the ensuing year. The ores sold this year have been 103 tons, yielding 1101/.9s. 6d. Since this was written, and withing the last day or two, the mine has generally improved.

Wireal Cupp. in Redruth, has been at work about five years, and

WHEAL CUPID, in Redruth, has been at work about five years, and Wheal Cupp, in Redruth, has been at work about five years, and 12,000? expended. Little's shaft has been sunk through a mass of gossan, is 83 fms. deep, and now in a course of fluor-spar, interspersed with fine stones of copper, and has the appearance of being near a course of orc. In the western part of the sott the goological formation is something similar to Buller, and an adit having been driven by former adventurers on a fine copper lode, with rich gossan, close to the junction of killas and granite, one of the largest shareholders had a strong opinion that a course of ore would be met with, and induced the adventurers to erect a steam-ongine. I stated, in my Review last year, that great expectations were formed at this part of the sett, from the general indications and richness of the district, and about a month ago a fine lode was cut, producing from 2 to 3 tons of good copper ore per fm. in the 25 fm. level, and it is now productive in the shaft. When another level is opened, no doubt large quantities of ore will be raised, and before the end of the year the mine is likely to become one of great importance.

will be raised, and before the end of the year the mine is likely to become one of great importance.

Copper Hill, in Redruth, adjoins, and was once a part of, Wheal Buller, and has returned about 1500%, worth of ore. The shaft is down about 90 fms. from surface. There is an excellent plant of machinery to carry the works to a great depth, but more calls will be required to put the mine in good working order. The locality of the mine is good, and some day it may become valuable.

Cookie Kurunan in Hogen, has been working nearly a century and

nt may become valuable.

Cook's Kitchen, in Illogan, has been working nearly a century, and formerly yielded enormous returns of copper ore. The great lode, from 30 to 40 ft. wide, has from the 120 fm. level downwards altered its cha-

30 to 40 ft. wide, has from the 120 fm. level downwards altered its character, and from copper has become a tin lode. The shaft has been lately sunk to a 210 fm. level, and the level is being driven east and west, and is cutting open a very large amount of rich tin ground between the 190 and 210 fm. levels. In a few months' time this mine may be reasonably expected to make profits, if not to resume dividends.

West Strax Park, in Camborne, adjoins old Camborne Vean and Stray Park. Four large lodes are being worked upon, but the rock is so excessively hard that the progress is very slow. Indications are now presenting themselves in the engine-shaft, which is 52 fms. deep, of a change for the better. The lodes contain both tin and copper ore, and would yield sufficient returns to pay the current cost, if the price per fathom for diving and sinking did not exceed the average of our Cornish mines.

West Sexon, which has proved one of the greatest prizes of the year,

was for many years a heavy drag ppen the shambolds in the calls being HT regularly made every two months. A low months since the shares were 2004, each, and are now 6504. The mine has sold 3664 tons of copper ore this year, realising 21,2054, 14s. 6d., and has divided 70004. Next year the dividends must still further increase, and the present rate of interest paid is no criterion to judge of the real value of the mine. The principal workings are on the south lode, which is yielding from the ends more than any other lode in Cornwall. The north lode is also looking well.

Serox, formerly a rich mine, and paying large dividends, has only divided 13874, this year. The returns of copper being 2339 tons, yielding 12,0664, 10s. 6d.

vided 13871, this year. The results of the second of copper, realising 10,2451, and now working to a profit. The mine is the north part of the Old East Wheal Crofty, which divided about 90,0001, from Reeve's lode. In North Crofty several lodes stand in whole ground for the length of the sett, amongst which is North Pool lode. In the 130 a cross-cut is being driven to intersect these lodes.

of the sett, amongst which is North Pool lode. In the 130 a cross-cut is being driven to intersect these lodes.

North Pool has not had any dividends this year. In 1854 the mine divided 52004. profit; but in remarking upon it this time last year it was said to be failing: now said to be looking better.

East Pool has returned 2287 tons of copper ore, yielding 13,5904. Is., and has divided 9604. profit, showing an improvement on the previous year.

Wheal Agan, in Illogan, is bounded on the north by North Pool, south by East Pool, east by South Tolgus, and west by East Crofty, or in the centre of rich and productive mines. By a former company ores to the value of 28,0004, were sold. The present company commenced operations this year, and have sold since August 4504, worth. The depth of the old workings is 70 fms., and a new engine-shaft is now down about 40 fms. In the 60 east some good ore ground has been lately discovered.

Great South Tolous, in Redruth, paid its first dividend this year of 7504.

At BOLENOWE, nothing has been done in the way of discovery this year.

The mine is to the south of Grenville, and adjoins the southern part of

South Frances.

CARN BREA has sold 6097 tons of copper ore this year, realising the sum of 33,233l. 10s., and 248 tons of tin, realising 15,223l. 17s. 6d., and has divided 4000l. profit. In 1853 this mine divided 10,000l., in 1854, 4000l., making a total of profits divided amongst the shareholders of 231,510l. upon a paid-up capital of 15,000l.

Consumow has returned 1696 tons of copper, yielding 12,022l. 17s. 6d. and 93½ tons of tin, realising 6163l. 8s., and has divided 2048l., or 8l. per share. The prospects of the mine are such as to warrant the expectation of better dividends in future.

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connemiow has returned 1090 tons of copper, yielding 12,022. 17s. 6d. and 93 tons of tin, realising 6163. 8s., and has divided 2048., or 5t. per sharo. The prospects of the mine are such as to warrant the expectation of better dividends in future.

Girar Wirkal Vou United Mines, near Helston, Cornwall, are being re-worked with a capital of 133,3334, no 26,666 shares, of 3d. each, with every prospect of profit, by Messrs. Henry and Edward Crease, the present managers, joined by a powerful body of directors, under whose auspices the works are now being extensively and energetically carried out. Since re-working the company have raised 38,3814. worth of ore, and paid in the last half-year a dividend of 5 per cent. The tin raised and sold in November mouth realised 30164. 19s. 10d. The main works are drained to the 144 fm. level. The lowest point of the mine is about 230 fms. deep perpendicularly, or 284 fms. on the underlie of the lode. The official records of the mine state that on the former workings upwards of 2,000,000. sterling was returned from the mines, and this chiefly from a small portion of one main lode. The ore books prove that it actually produced 175 tons of black tin per month. There are numerous side lode, which, though only 70 fms. deep in the month of Nov. 1855, produced a nett profit of 7500, and these side lodes are likely to prove very profit able, being drained by the machinery now on the deep works. They can be very cheaply worked, by driving cross-cuts at the rate of 8 fms. per month along the cross lodes, which intersect the whole property, and which formed the copper lodes that produced extraordinary profits in Godolphin at the northern extremity of the property. The stratum is a long and deep basin of metalliferous killas, or elay-alate, superimposed upon granite in depth. The machinery is the most powerful in Cornwall, working with extraordinary conomy, and consists of Crease's 100-in. cylinder engine, which in Nov. 1855 did an average duty of over 90,000,000, and is capable of doing 1 extremity of this part of the mine the junction of the killas with the granite of Tregoning Heights occurs. This is a most important point in the property. The old workings at Carleen, in a lode north of this, left off with a good profit, and will pay well now to re-work it. There are 18 or 20 side lodes beyond those already described within the limits of the various setts, in exactly the same geological conditions as the old Wheal Vor lode, every one of which is likely to prove valuable. There is an immense accumulation of old leavings, filling a valley for above half a mile long, the re-working of which in the last 18 months yielded a profit.

Wheal Vor lode, every one of which is likely to prove valuable. There is an immense accumulation of old leavings, filling a valley for above half a mile long, the re-working of which in the last 18 months yielded a profit of 6060l., and of which only a small portion is exhausted. At the general meeting of shareholders, on Dec. 19, 1855, it was expected that at the half-yearly meeting in June, 1856, a fair dividend for the year would be paid. ROSEWARNE UNITED.—We directed special attention to this mine last year, when it was comparatively unknown, and the shares 70l. per 256th. We stated it would soon appear in the Dividend List. We could scarcely, however, have thought it would turn out so great a prize, and so quickly. During the year the ores sold, 2527 tons, have realised 23,169l. 14s. 6d., and 7936l. paid in dividends to the shareholders. The shares have risen from 35l. to 135l., and will probably be very much higher ere long. The sett is a very large one, extending upwards of a mile on the course of the main lode, and in breadth, also, is very extensive, comprising a number of east and west lodes, all of great promise, but which have not yet been opened upon. One great feature, which has lately enhanced the market value of the shares, is the discovery of two new lodes, of great promise, in Wheal Hender, an adjoining mine. These lodes run through Rosewarne, and will fall into the main lode, it is believed, east of the old engine and Jenning's shaft. The main lode of Rosewarne being a caunter, great deposits of ore may be expected at these junctions, or points of intersection. There are also other points of expectation, the realisation of any one of which may add greatly to the value of the mine. The old engine-shaft was sunk on a most unprolific spot, and until lately the levels had to be extended east and west for many fathoms through barren ground. Now, the 58 east, the deepest level, is worth 12l. per fathom, and the 58 west is highly promising. The 12 west, which is furthest in advance, is closely

approaching the working sof this ancients for tin at an old shaft, balled Whas Bush, and so an elvan course crosses the dode there, good-depoints of espper are anticipated in The 46 west, as it approaches the ore gone down in the 34, is gradually improving, and if valuable ore ground be there discovered, a large addition will be made to the reserves, which are already sufficient to pay the present dividends for the next two years. Taking the value of shares at 140% per 512th, the present rate of dividends gives 17½ per cent, per annum, with every probability of an increase.

Wheal Hender adjoins Resewarme on the east, and is separated from it by a small water-course. It is under the management of Capt. Richards, of Basset, and the shareholders are principally those of Rosewarne. The mine is quite in its infancy, but the highest expectations are, with justice, formed of its ultimate success, its prospects being greater than were those of Rosewarne two years ago. Seven lodes have been discovered, three of which are opened upon, and each beginning to make returns from the adit levels. The ores raised are rich, and yield from 12% to 14% per ton, and when an engine is erected good returns may be expected. Looking at the

levels. The ores raised are rich, and yield from 12t. to 14t. per ton, and when an engine is erected good returns may be expected. Looking at the rapid progress of Rosewarne, it is not too much to expect that Hender may become a dividend mine in 1857.

Gennick Mine, in Gwinear, is bounded on the west by Wheal Hender, and has the lodes of Rosewarne running through it. It has only lately been put to work. A new 40-inch cylinder pumping-engine has been erected, and the old shaft cleared out to the bottom, 40 fms. from surface. A level was driven west of this shaft about 30 fathoms by the old workers, apparently through a good course of ore; the ground in the back of that level has just been let on tribute, the lode yielding 3 tons of rich ore per fathom. The shaft is now being sunk to a 50 fathom level, with excellent prospects.

fathom. The snart is now being some lent prospects.

At West Rosewanne, spirited operations are about to be commenced. The mine is divided into 1024 shares, and 2000£ is subscribed for working to start with; it adjoins Rosewarne, and on the same rich lode, and has the Old Relistian, which made vory large returns and profits, on the west. West Rosewarne was at work before, under the name of Gwinear Consols, when an adit, 23 fms. deep, was driven through the sott, and a shaft sunk 29 fms. In the 10 a fair quantity of ore was found, and about 25 fms. east of the engine-shaft the ore was 4 feet wide, of superior quality, producing an average of 18 to 20 per cent. About 2 fms. west of Stephen's shaft there was an extraordinary deposit of ore, which extended diagonally 9 fms wide, about 5 fms. above and 5 fms. below adit, the average thickness about 6 ft.; this ore varied from 3 to 7 per cent. for copper; at that time the standard was only 80t. to 100t. (now 140t.), and the mine was stopped, through, it is said, the bankruptey of a large shareholder, the whole outlay, after deducting the returns, and including the machinery, &c., being only 3500t. The present company intend to erect a 50 or 60-inch steam-engine without delay, and work on the south lode, which is a continuation of Rosewarne rich lode. The mine has been favourably reported on by Capt. Chs. Thomas, and the chief agents of Wheal Basset, North Basset, West Basset, and South Frances.

South Rosewarne.—This sett, comprising two pieces of ground, known as Goar and Parbola, is to the south of Rosewarne. Several lodes and one cross-course traverse the sett. In a strip of ground jutting into Wheal Unity, a pit has been sunk, and a fine lode cut, close to the boundary, at a depth of 6 fms. from surface, said by some to be Wheal Unity north lode. The characteristics, however, differ, and so does the underlie. The lode is about 2 feet wide—a fine gossan, spar, peach, &c., hardly deep enough for ore.

NORTH ROSEWARNE, formerly Wheal Chance, is now in active operation. NORTH ROSEWARNE, formerly Wheal Chance, is now in active operation. PENDARVES AND ST. AUNYN has passed into fresh hands, and it is proposed to divide it into three, the sett being much too large to be worked as one. A good engine in each sett would give each a fair trial. Halgarrack lode, in the south part, has in the adit level, for 70 or 80 fms., produced throughout small branches of good ore. This is supposed to be Wheal Hender lode.

VARNE AND HERLAND UNITED, adjoining Herland to the east,

Wheal Hender lode.

Rosewarne and Herland United, adjoining Herland to the east, was worked upwards of 70 years ago, and supposed to be sunk 10 fms. below the adit, where a good course of ore is said to have been found. Four lodes were also intersected in the adit. The mine is to be reworked forthwith, under the above title. The engine has been purchased, and it is calculated will be at work in March next. The lode on which it will be erected is from 3 to 5 ft. wide, composed of capel, gossan, and ore. North Wheal Unity.—During the year, the engine-shaft has been sunk from the 34 to the 66 fm. level, and the lode intersected in the 46 and 56 fm. levels; in the 66 the lode is not yet cut. The 46 has been driven east and west 73 fms., and produced small bunches of black ore, mixed with chlorite and flookan, from which the ore could not be extracted, and was, consequently, of low produce. The 56 has been driven 53 fms., and the lode very much improved as compared with the 46, showing indications of further improvement in depth. Ores from these levels have been sold to the value of 498l. 17s. 3d., and 30 tons more of copper ore sampled. In the 56, for the last 2 fms. driving, the lode has changed from copper to tin, worth 40l. to 50l. per fm. The backs of these levels remain almost entire. In the eastern part of the mine, this lode has been worked to a depth of 18 fms. below adit, and produced about 120l. worth of tin, with occasional stones of black and grey copper ores. This part is now suspended, in consequence of too much water, being 70 fms. apart from any other level extended that way from the engine. The 34 fm level has been driven through an elvan course, and the cross-cut is now driving to intersect the lode. This piece of ground is unwrought from surface for 70 fathoms in length, and has the champion cross-course of the district at one end, and an elvan course at the other, and offers good chances of success. A cross-cut has been driven 56 fms. in the 17 fm. the district at one end, and an elvan course at the other, and offers good chances of success. A cross-cut has been driven 50 fms. in the 17 fm. level, to intersect the north lode, and the level driven upwards of 50 fms.;

level, to intersect the north lode, and the level driven upwards of 50 fms.; and the lode in places has a good appearance.

At Thelowerh, the engine-shaft has been sunk to the 90 fm, level, and the lode in sinking has gradually improved, the level east and west of the shaft at this depth being more productive and promising than the upper levels. The shaft is now in course of sinking again below the 90 fm, level, and the lode yields 4 tons of copper ore per fm. The 90 fm, level east is driving by six men, and is worth 2 tons per fm. The 90 west is driving by six men, and yields 1 ton per fm. The winze below the 80 east yields 2 tons per fm. The rise in the back of the 80 west yields 1 ton per fm. Four men are on tribute, at 4s. in 1l.; eight men at 6s. 8d.; two men at 9s.; and four men at 12s. in 1l. The samplings have been about 70 to 80 tons every two months, and in future it is intended to sample monthly, as the produce from the mine is increasing. The monthly costs average about 350l. A steam crusher and drawing-engine has been erected during the past year, and the plant of the mine is in excellent condition and good working trim.

HEAL UNITY.—A fine lode has been cut in the north part of the sett, Wheat Unity.—A fine lode has been cut in the north part of the sett, and driven on about 40 fms., producing green, black, and grey copper ore of a high per centage. The lode in the present end is 4 feet wide, composed of gossan and fine stones of grey and black ore; driving 5 or 6 fms. a week, at 17s. 6d. per fm. A horse-whim is being erected, and, the ground being easy, it is expected that the lode will be seen 10 fms. deeper in about six weeks. A fine lode has been out in South Rosewarne, in a piece of ground stretching into Wheal Unity, thought by some to be the above lode. The underlie and character are, however, different; and if and character ar however. above lode. The underlie and character are, however, different; and if not the same lode, Wheal Unity will have this lode for about 250 fms. It has been cut near the boundary, and, where seen, has a very fine appearance. A cross-cut is about to be put out in Wheal Unity, to cut two south lodes. Also, in cross-cutting to take the engine lode, several veins of yellow copper ore have been met with, supposed to be part of the main lode, disordered by the caunter.

BOILING WELL, near Hayle, has progressed satisfactorily during the year having sold lead and copper cross to the value of 7260/ in eleven

BOILING WELL, near Hayle, has progressed satisfactorily during the year, having sold lead and copper ores to the value of 7260l. in eleven samplings. The shaft is down to the 60, and a cross-cut driving to intersect the lode; and if met with a course, the mine will soon be in the Dividend List. A new feature in the mine, and one looked forward to with much interest, is the sinking a new shaft perfectly dry on the great south lode, 180 fms. from the other works, and within 10 fms. of the cross-course. At 6 fms. from surface, this lode is producing rich stones and lead

of copper and lead.

WHEAL KITTY (Uny, Lelant) has entered the Dividend List this year, and has paid 1024. The mine is extensive, and situate in one of the best tin districts of Cornwall. The engine-shaft is down 120 fms., and preparations are being made for another level. The three bottom levels—the 100, 110, and 120—are very productive, and the 100 has been driven through good tin ground for 55 fms. in length. The dividends having commenced only six months ago, the amount paid this year forms no criterion of the interest to be got on shares. Much more will be divided next year.

WHEAL KITTY (St. Agnes) is making large returns of tin—from 10 to 13 tons monthly, with ends worth 101., 151., and 301. per fm.; and there is reason to believe that the mine will soon make good profits.

Abreau Dessors, near Sithing, has been started during the year, and chiefly taken up by Rosewarne shareholders. An adit is being driven a counter lode, to cut a number of east and west lode, and this mine

ALPHED CONSOLS has sold 3627 cons of ore, realising this year the sun of 29,0364. 5s., and has divided 58837. The profits would have been much greater, but new and expensive machinery has been erected and paid for out of the returns. During the year a valuable discovery has been made beyond the cross-course, and the present rate of profits can scarcely be regarded as a fair criterion of the value of the mine.

WEST ALFRED CONSOLS has sold this year 840 tons of copper, realising 9961. 10s. 6d. This mine has improved of late.

GREAT ALFRED LOSSOLS has sold 1965 tons, realising 97281.9s. The winze sinkage ast of Copper-house shaft, below the 148 fm. level, will yield 4 tons of good ore per fm. Other parts of the mine improving.

WHEAL CHARLOTTE is one of the new dividend mines of the year, and as sold copper and the over the well-sold 11.5361. As 941, and divided

Wheal Charlotte is one of the new dividend mines of the year, and has sold copper and tin ores to the value of 11,5361. 14s. 9d., and divided 15361. profit. The engine-shaft has been sunk 11 fms. to the 40; south shaft 23 fms. to the 42; east whim-shaft, 28 fms. There are two lodes, the north averaging 1 ft. 3 in. wide; the south lode, 2 ft. 6 in. On the north lode, in the 30 fm. level, 30 fms. of ore ground have been opened during the year; and altogether, on the two lodes, 317 fms. The eastern whim-shaft will shortly be communicated with the different levels east on the south lode, which will facilitate working the eastern part of the mine, which at present is the most promising. Both sump-shafts are being sunk to the 40. These levels will be driven east and west through the ore ground, and open tribute ground in the backs.

ound, and open tribute ground in the backs.

Perran Sr Groroe.—Upwards of 10,000l. has been laid out here nachinery during the last two years; and although, in consequence, the ividends have been suspended, this large expenditure has been met from he produce of the mines, without any calls upon the shareholders. At the present time the mines are working to a profit, and the ores have improved in value since the lode has entered the granite. Next year, the mines will be in the Dividend List again.

WHEAL TREVELYAN has sold 52 tons of tin this year, realising 31151.

The company has recently gone to a very heavy expense in erecting a new engine, for the purpose of exploring the eastern part of the sett, where a new shaft has been sunk 18 fms. below the adit, and a fine copper lode intersected, presenting the most favourable indications. In about three months this lode will be opened on 15 fms. deeper, when profitable re-sults may be anticipated. The mine is meeting more than half of its cost

sults may be anticipated. The mine is meeting more than half of its cost by the tin, and the machinery now consists of three steam-engines.

Cubert United.—The engine-shaft is now down 75½ fms., with a lode 2 feet wide, yielding 7 ewt. per fathom, and in about a fortnight a level will be commenced at the 76 fm. level. In the 66 fm. level the lode is looking better. The returns for the last quarter were 48 tons of rich silver-lead. The costs have been heavy, owing to alterations in pitwork, &c., which will not occur again, and whilst the cost, therefore, may be reduced the mine of first prespects of greater returns.

&c., which will not occur again, and whilst the cost, therefore, may be reduced, the mine offers prospects of greater returns.

Mill Pool has been making good returns of tin, and is meeting the cost within about 50% a month. The prospects are good for improvement.

TREBARVAR has sold copper ores to the value of 1810% Ss. 4d. this year, and the flat-rod shaft has been sunk 11 fms. 1 ft. 6 in.; the new shaft, on south lode, 16 fms. 3 ft.; new engine-shaft, 13 fms. 1 ft. 6 in. In 1856, it is expected, the cost of the mine will be met by the returns, and perhaps a small profit left to the advanturers.

it is expected, the cost of the mine will be met by the returns, and pernaps a small profit left to the adventurers.

Wheal Tremayne has made good returns, but has been working to a loss. Copper sold, 3551. 10s. 3d.; tin, 76501.9s. 10d.; and about 10 tons more of the latter for sale. During the year the boundary shaft has been sunk 9 fms. 3 ft.; flat-rod shaft, 15 fms. 2 ft.; Allen's whim-shaft, 7 fms.; Hosking's ditto, 24 fms. 3 ft. There are four steam-engines on the mine—viz., a 50-inch, 60-inch, 20-inch, and 18-inch. In the coming year the sections, both of convergence and tin will be increased.

Teturns, both of copper and this, will be increased.

Kenneggy has sold this year copper ores to the value of 16121. 6s. 5d. ore ground for 45 fms. in length has been laid open, and better results may be expected next year. The sott is extensive, and contains six well-known lodes, three of which produced large quantities of ores in the additional results. jacent mines

jacent mines.

Gilman.—During the year, the engine-shaft has been sunk 5 fms. 1 in.;

Miobell's flat-rod shaft sunk 28 fms. 1 ft. 6 in.; Field's shaft, 12 fms. 9 in.;

48 fms. of ore ground opened in the adit level; 31 fms. in the 10 fm. level;

winzes sunk 18 fms., and rise 10 fms. The tin branches are from 1 in.

to 3 in. wide; copper lode, 1 ft. to 2 ft. wide; and from present appearances, a profit to the shareholders may reasonably be expected in the

WHEAL ELLEN, in St. Agnes, is between the old Tywarnhaile and the Great Wheal Busy range of mines, and has been worked to the depth of the adit level only, from which upwards of 80,000% worth of copper ores have been raised. The mine is now about being worked again by a local and influential party, and a steam-engine is in course of erection, for the purpose of following the lodes down.

South Garras Lead Mine, in Kenwyn, near Truro, was discovered by

South Garras Lead Mine, in Kenwyn, near Truro, was discovered by driving an adit into a hill, and when a depth of about 10 fathoms was obtained lead was met with: about 7000/, worth has been already sold, and 6000/. worth raised and ready for crushing, as soon as the machinery is complete. The ores are rich for silver, and fetch from 20/. to 30/. per ton. For some time past a large engine has been in course of erection, together with crusher, &c., and only 13/. per 256th share has been called for. In this district, consequent upon the success of South Garras, several mines have been started by local parties, and most of them called at a premium. Among them,

mines have been started by local parties, and most of them called at a premium. Among them,

EAST GARLAS, in St. Clement's, joins South Garras, and is supposed to take the old Garras lode, and other lodes parallel to South Garras. The mine has many advantages, in connection with ample water-power for working a wheel, and for dressing purposes; there is a run of rising ground on the course of the lode for nearly a mile in length, and by driving on it a distance of 50 fms., 20 fms. of backs will be obtained.

At Penhaldarva Mine, in the parish of Kenwyn, an adit is being driven, and it is expected that the lode will be intersected at 15 fathoms deep, where it was worth 3 to 4 tons of lead and jack per fm. The strata are also said to be highly congenial for silver-lead ores. Should the lode be found as good in the 15 fm. level as the statements made would appear to indicate, another good lead mine would be added to the Truro district. East Rose, once the richest lead mine in the kingdom, and paying 50,000% a year in dividends, was sold to a new company in Aug., 1854, East Rose, once the richest lead mine in the kingdom, and paying 50,000. a year in dividends, was sold to a new company in Aug., 1854, and to avoid the great expense of working adopted by the old company, of having long cross-cuts to drive at every level to reach the lode, they commenced sinking on the course of the lode in the 100 fm. level (where it passed through the shaft), and during the year good progress has been made in opening the mine, fair returns made, and the prospects are such as to lead to the hope of early profits. At North Rose part of the sett the engine-shaft is down 150 fms. on the course of the lode, which averages 6 feet wide, worth 1 ton of ore per fathom from the 140, and can be taken away at a low tribute of 11. 10s. to 21. per ton. This part of the mine has required a large outlay during the year, but will now become profitable. At Pursen's, the engine-shaft is down below the 150 on the course of the lode, which averages 5 feet wide. At Michell's, it is down health to 160 and 160 on the course of the At Pursen's, the engine-shaft is down below the 150 on the course of the lode, which averages 5 feet wide. At Michel's, it is down below the 160, and ends driving on a good lode in the 150, north and south, and in the 140 south; here also the oulay this year has been very great, in preparing for working on the principle we stated above; but this being complete, the costs in future will be less, and the returns go on increasing. At Penrose's, large operations are also going on, with good prospects. The returns in the next account will be 700 tons of ore; and 997 persons are employed on the mine. ployed on the mine.

CARGOLL was formerly a part of East Rose, but now worker

CARGOLL was formerly a part of East Rose, but now worked as a separate concern. The present returns do not meet the cost by about 2002, per month, but the prospects of the mine are such as to warrant the expectation of early profits. Daubuz's engine-shaft has been sunk 54 fms. In the 30, a good bunch of ore was met with; and the 40 fathom level, which has been driven 24 fms. south-west, lode 18 in. wide, worth 9 cwts. of lead per fm., will soon be under the branch in the 30. The 50 fathom level has to be driven 8 fms. further to get under the ore ground in the 40. The new north and south lode is 3 to 4 feet wide, and has produced good branches of lead. The lode in the adit south from Burrow's shaft is 6 in. wide, with spots of lead. good branenes of lead.
6 in. wide, with spots of lead.

THE EASTERN DISTRICT OF CORNWALL.

In the neighbourhood of Liskeard, the comparatively old lead mines of Trelawny and Mary Ann, which have made very large returns, and paid good dividends, have been expending large sums of money in extra machinery, and the former has paid 10244, this year, and the latter 5124, with prospects of doing better for the future. Trelawny has sold 838

tone of the darkers have governed the street of the year has been constant the street of the year has been constant the control of the year has been constant the control of the year has been constant the control of the year has been constant to the control of the year has been constant to the control of the year has been control of the year was granted, and the mine subdivided into 4096 shares. In May, 1852, the western lode was discovered, producing lead, and a winze was sunk upon it 2 fms.; very little, however, has been done on this lode since. In Nov., 1852, the present rich lode was discovered, and an adit level extended south upon it into the hill, on which an engine-shaft was sunk, and soon after, in 1953, a 22-in. cylinder engine was erected, and up to May, 1854, two parcels of lead ores were sold—viz., 9 tons, realising 131/. 4s. 6d. At this time, Mr. Peter Clymo, the manager of South Caradon, became manager and purser of Wheal Wrey, and, to the end of 1854, 213 tons 17 cwts. of lead, were sold, realising 3889/. 5s. 8d., and in the present was control to the present was supported to the present was sold tons 19 cwts. At this time, Mr. Peter Clymo, the manager of South Caradon, became manager and purser of Wheal Wrey, and, to the end of 1854, 213 tons 17 cwts. of lead, were sold, realising 38891, 5s 8d., and in the present year, 894 tons 19 cwts., realising 15,5681, 18s. In September last a 60-in, cylinder steam-engine was erected on the same shaft, and the 22-inch engine is now applied to draw and crush the ores. The total amount paid in calls before the mine became profitable was 1l. 3s. 3d. per share, and in Feb. of the present year the mine paid its first dividend, of 4s. per share, and has paid altogether this year 16s. per share, or 3276l. 16s. The lead ground opened in the 12 is about 200 fms. long, and in the 23 fm. level 140 fms. long, through a very productive lode, and both ends still very good. The 33 is extended 73 fms., where the lode is also productive, so that the prospects of the mine warrant the expectation of much better dividends ere long. The engine-shaft is down 40 fms.

WHEAL LUDCOTT adjoins Wheal Wrey, but the prospects, up to the middle of this year, were not very bright, and shares down to 10s. per 4800ths. The workings were then confined to the west lode, but as it was found the water was sinking in an adit driven on the Wheal Wrey lode, winzes were sunk in the kindliest parts of the latter lode, and resulted in the discovery of lead a few fathoms under the adit, from 4 to 10 cwts. per fathom in different places. This circumstance, and the pecuniary affairs of the company being placed in a more satisfactory position, have sent up the price of shares to 50s. The first sale of ores, of about 40 tons, is likely to take place ere long, and it is hoped the quality will be as good as that of Wheal Wrey, the workings being about 80 fms. apart. Another lode has also been found at Ludcott.

EAST WHEAL WREY is a much younger, but also a promising, adventure, situated to the north-east Wheal Wrey.

has also been found at Ludcott.

EAST WHEAL WERY is a much younger, but also a promising, adventure, situated to the north-east Wheal Wrey. A shaft has been sunk about 4 fathoms, a fine lode met with, from 4 to 5 feet wide, composed of gossan, mundic, prian, and stones of lead ore. The sett is extensive, and commands a stream of water for draining the shaft to a good depth, and

commands a stream of water for draining the state to a good depth, and also for the purposes of drawing and crushing.

At Wheal Veryon, although little has been heard of it during the year, the adventurers have not been idle in developing their sett. After driving a cross-cut in the 30 east for the entire length of the sett, in which driving the set of the sett of the set they met a promising branch of ore, supposed to be a continuation of Trewetha lode, they have decided to see the lodes 60 fathoms deep, and a 50 in, steam-engine is now in course of erection for that purpose. Though the company have hitherto been unsuccessful, the mine is well thought of in Cornwall, and promises good results at the deeper levels. The new engine will be at work in about two months' time.

TREWETHA, after meeting calls for the purpose of erecting more power-il machinery, has again entered the Dividend List, with prospects of

continuing to pay.

Heropspoor, instead of paying dividends this year, made a call upon Herodescot, instead of paying dividends this year, made a call upon the shareholders. A deep and expensive mine, the fall in the price of lead at the latter part of 1854 made a difference in its sales of 300L per month, whilst the expenses were rather increased than diminished. At present the mine is looking much better, and again working to a small profit. The lead sold this year has been 305 tons, yielding 4250L.

Among the copper mines in this district, South Caradon continues its prosperity, and has this year divided 12,288L profit, and the shares have remained almost stationary.

West Caradon has declined considerably, and has paid in dividends 4152L, against 10,496L in 1853, and 6912L in 1854. About two months since a serious breakage occurred in the old engine-shaft, which greatly retarded operations, and caused the water to rise in the mine to the 92 fm. level, thus preventing approach to the different levels 50 fms. deeper, and the returns were consequently diminished. This damage has now been

the returns were consequently diminished. This damage has now been remedied, and the mine again in full operation.

Gonamena had commenced paying dividends, but as there was no communication with the productive part of this mine except through West Caradon, and the adventurers in the latter mine declining to permit Gonament to be a superposed to the contract of th Caragon, and the adventurers in the latter mine declining to permit commens ores to be any longer drawn through their shaft, it was necessary to sink Gonamena engine-shaft to the 80 fm. level, and communicate with the south part of the mine, before further sales of ores could take place. This has now been done, and a crushing and drawing-eugine creeted; sales of ores, therefore, are likely to be resumed early in 1856. Since last year an addition has been made to the sett northwards. Shares have adanced from 151. to 301.

CRADDOCK Moon.—At the commencement of 1855 the shares in this mine were 127, per 1055th, but in consequence of the intersection of Vivian's lode of West Caradon in the 32, and afterwards in the 42 fm. levels, worth

were 12% per 1055th, but in consequence of the intersection of Vivian's lode of West Caradon in the 32, and afterwards in the 42 fm. levels, worth in each from 2 to 4 tons of copper ore per fm., shares advanced to 40% each. The great length of the sett on the course of the lodes, and the fact now ascertained of their productiveness, make it probable the mine will rival either South or West Caradon. An engine for crushing and drawing is just ready to work; and the first sale of ores, of about 100 tons of good quality, is likely to take place in January or February.

Wheal Pollard is immediately adjoining Craddock Moor, and takes the run of the "Vivian lode." A steam-engine has been erected, and the shaft is being sunk to intersect the lode 25 fms. below the adit, and which point may be reached in about four months. Few progressive mines, looking at the price of shares, offer better prospects than this. The shaft contains several branches impregnated with copper ore, and the coming year is likely to see the mine in the Ticketing List.

PHOGNIX MINES have in five sales this year realised 21,685%. 14s. for 2529 tons, and has divided about 10,000%, though it is impossible to give the exact amount, for purser, captains, and shareholders are all bound, or bind themselves, to secreey in regard to the mine and all connected with two have known gentlemen, who in other mines have been free and open, and anxious to advance mining interests by giving every information in their power, who have suddenly become close and uncommunicative, as soon as they have purchased a share in this mysterious adventure. The bottom level is 140 fathoms from surface, and the gossan not yet left the lode.

North Prexix.—The shaft is down 45 fathoms, and good branches of

the lode.

NORTH PHORIX.—The shaft is down 45 fathoms, and good branches of copper ore found in sinking. In five or six months the lode will be cut in the 60 fm. level, and the mine may take a prominent position. The shares are in very few hands, and well held.

WEST SHARP TOR adjoins Phoenix on the north, upon a parallel lode. The shaft is down 90 fms., lode 10 fms. wide, underlaying south; a crosscut is being driven through the lode at this point, which must take many months. A flat-rod shaft is being sunk 100 fms. eastward, in killas. Appearances would dictate the propriety of confining operations for the present to this point. This shaft is sinking for 24. per fathom, whilst the cross-cut through the lode at the engine-shaft is set at 251. per fathom. If operations had been commenced nearer to the valley the chances are, if the general condition be considered, that with the present total outlay a good mine would have been secured.

MARKE VALLEY has sold copper ores this year amounting to the sum of the s

good mine would have been secured.

MARKE VALLEY has sold copper ores this year amounting to the sum of 10,1357. 5s. 6d., and has divided 900?. A large expenditure has been incurred in sinking Rosedown shaft to the ore ground lately discovered, and a new 70-inch cylinder engine erected, and which will be ready to go to work about Feb. next. The Rosedown lode has been driven upon between 30 and 40 fms., worth from 3 to 4, and even 6 tons of rich ore per fm., the present end being worth 3 tons. When the machinery is complete, and the shaft down, the mine bids fair to rival, if not surpass, its neighbour, the Phænix. The mine is chiefly owned by a Salisbury Company, who, by their steady perseverance for so many years, well deserve their present success.

present success.

EAST CARADON.—At this mine, Symons's lode has just been intersected 20 fms. below the adit level, or 40 fms. from the surface. It produced large quantities of gossan in the adit. In the 20 it is 5 feet wide, composed of fine gossan, intermixed with quartz, green carbonate, and spots of copper ore. Levels will at once be driven east and west on its course, and the staff such decree. It is a surface to the staff such decree to the staff such decrees t of copper ore. Levels will at once be driven east and west on its course, and the shaft sunk deeper. In driving east about 10 fms. a caunter lode will be met with, which was seen in the adit level, spotted with copper ore. Where intersections of this kind have taken place in the adjoining the sex has is

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The GR enric tities St. M sected for up depth this e large hetter pay di gistere econor descrip proces waste

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ores, yie the deep of large and untipended. and the At DE Promisin WHEA Ported to company worked l UNION GREAT and good looking i beautiful the draw

by an hy it, the mi mine, South Caradon, the results have proved most favourable. The water in this pair of South Caradon, is kept under by a flat rod connected to an excellent 40-inch cylinder steam-suggine, of anticient power to drain the unites to a considerable depth. Immediately under the engine is a shalt 80 fathous below the surface, where a cross-out is being driven south, to intersect other lodes which have been very productive in South and West Caradon Mines. As a whole, the prospects are very favourable. Tokenbury Consolis.—The engine-shaft, sinking on D lode, is now 65 fms. below adit, or 106 fms. from surface, and the lode of a promising appearance; it is intended to sink to the 65 fm. lovel, and then drive west on the course of this lode to get under large quantities of cossan seen at

appearance; it is intended to sink to the outlin, level, and the outse of this lode to get under large quantities of gossan seen at

Berriow Consors - The adit level north on the main lode has been driven to hill 10 fms.; lode from 8 to 9 ft. big, with small portions of black and yellow copper ores, and plenty of fluor-spar. A shaft is also sinking east in the killas below the adit, where the lode is also of a kindly appearance.

in the killas below the adit, where the lode is also of a kindly appearance. At Wheal Robins, St. Neots, in the early part of the year, two very promising copper lodes were discovered; the depth, however, being considered too shallow for any particular result, the adventurers decided to see the lodes in the 75 fm. level. The engine-shaft is now in course of sinking to that depth, and in about three months' time the lodes will be intersected. This, the St. Neots, district is comparatively a new one, and the Wheal Robins Company may almost be termed its pioneers. The chances are good, the sett being situated at the junction of the killas and granite, and should any discovery be made the mine can be worked at a low cost, the machinery being of the most ample and extensive description, with an unlimited supply of water-power.

Carata United are near the town of St. Austell, and are in extent 500 fms. on the run of the lodes from east to west. Several lodes traverse

Carrate United are near the town of St. Austell, and are in extent 600 fms. on the run of the lodes from east to west. Several lodes traverse the sett, in a whitish soft schist, of a most congenial character for mineral deposits. When wrought 50 years ago, the copper ores raised (about 8000l. worth) averaged, under a low standard, 14l. 14s. per ton; but the machinery at that time being inadequate to drain the mine effectually, it was of necessity abandoned. The present company erected a steam-engine in 1854, and the operations are principally confined to the north lode, which is large, strongly and highly mineralised. In the 10 fm. level an extent of 50 fms. of tin ground has been opened, and in the 20 the lode has been recently intersected, and found to be rich. An underlay shaft is being formed from the adit, and as soon as this is communicated with the 20, that level will be driven east and west, when a rich course of tin is expected to be laid open. The lode varies from 6 to 10 ft. wide, is well defined, and contains on the north part a good and distinct lode for copper, separated from the tin part by rich prian, and promising large deposits in depth. From the great facility with which this ground is worked, the present expense being only 30s. per fm., an important saving in cost will depth. From the great facility with which this ground is worked, the present expense being only 30s, per fm., an important saving in cost will be effected, and the mine more speedily developed. Two smaller engines have been procured, one now in course of crection for stamping alone, and the other for drawing and crushing; when these are in active operation, good profits may be realised. Two small parcels of ores have been sold, and others in course of preparation. Amount paid up, 2l. 5s. per share; and cash in hand, about 1000l.

PAR CONSOLS, in the parish of St. Blazey, is amongst the first mines in Cornwall, divided into 6400 shares, 1l. 2s. 6d. paid up, and produces rich copper and tin. Fresh leases for 21 years of a part of the sett have just been completed, from Lord Mount-Edgeumbe and the Messrs. Carthew, for which a bonus of 4000l. was demanded, in addition to a full rate of

Cornwall, divided into 6400 shares, 1l. 2s. 6d. paid up, and produces rich copper and tin. Fresh leases for 21 years of a part of the sett have just been completed, from Lord Mount-Edgeumbe and the Messrs. Carthew, for which a bonus of 4000l, was demanded, in addition to a full rate of dues, a course hitherto, perhaps, unprecedented in the county of Cornwall, the lords in general being well disposed to grant their lands for mining purposes at a fair royalty. This matter having, however, been arranged, and the bonus paid, besides nearly 1300l. for land destroyed, the working of the mine is being prosecuted with great spirit and energy. Vast and extensive works are in operation. A shaft, which is also to contain a manengine for raising and lowering the miners, will be sunk to take a lode at 220 fms. from surface, and such are the prospects, that it may be expected the mine will exceed anything it has yet done, though it has already paid in dividends about 170,000l. The accounts are audited every four months, and the last statement of the purser, Major Davis, shows returns for that period of 23,832l. 1s. 7d., with an expenditure of 15,649l. 16s. 8d., and a balance of 5512l. 14s. 9d., after deducting the dividend, was carried to the next account. Total returns for the year 4367 tons, yielding the sum of 46,788l. 7s. 8d., and profits divided 7680l.

At West Par Consols, a very promising lode (5 ft. wide) has been cut west of the cross-course, in the 45 fathom level, composed of fine gossan, thickly impregnated with native copper, and presenting every indication of becoming very productive when further developed. A level is now being driven west upon it, and the shaft is being sunk as rapidly as possible. The machinery at this mine is very substantial and powerful.

Great Pologoth Tin Mine (8t. Austell), in 13,750 shares, 4l. 5s. paid, is one of the oldest mines on record, and yet is only 116 fms. deep. It has been celebrated in the histories of Cornwall, and has successively enriched various companies, returning at

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PRIDEAUX WOOD, also in 6400 shares, is under the same management as the former, and is a promising concern.

Crow Hill (St. Stephen's) is now in 2600 shares, 3t. 4s. 3d. paid up, a considerable number of them having been either voluntarily relinquished, or allowed to be forfeited for non-registration. The mine is a promising little concern, worked at a low cost by water-power, the produce being lead rich for silver. The lode, which at one time was nearly paying cost, became disordered by a slide in the 45 fm. level, and the ore is quite cut out. The adventurers, however, determined on a spirited trial, and have carried the shaft down 10 fms. deeper, and below the disordered ground, where a cross-cut has been driven, and after passing through hard ground, a pretty promising lode was intersected in the 55, in which operations are going on, with indications of speedy success.

West Crinnis sold this year copper ores to the value of 2077t. 2s. 11d., the returns having considerably increased during the last six months, and for the next quarter it is calculated sufficient will be raised to meet the current cost of the mine. The engine-shaft is down 44 fathems.

Wheal Messer, in the early part of the year, sold 318 tons of copper ores, yielding 1243t. 18s.; and the lode was cut rich in the 50 fm. level, the deepest in the mine. Owing, however, to the death, and insolvency of large shareholders, very heavy calls have been made upon the others, and until the liabilities were cleared off, the operations were partially suspended. It is to be honed the mine will soon be again in full correction.

of large shareholders, very neavy calls have been made upon the obserts, and until the liabilities were cleared off, the operations were partially suspended. It is to be hoped the mine will soon be again in full operation.

TRETOIL.—An engine, with 12 heads of stamps, has been erected here, and the first sale of tin will soon be made. Since operations have commenced in June, shafts and levels have been repaired and secured, and blind Wills. menced in June, shafts and levels have been repaired.

Blind Will's shaft sunk 20 fms. from surface.

At Devicek Wood, the adit is being driven to hill, and the lode, although

omising, is not rich.

Wheal Glynn is on the same lode south, and in the adit end it is re-

WHEAL GLYNN is on the same lode south, and in the adit end it is reported to be of considerable value; no returns, however, have been made. TREBELL TIN MYNE is said to be a promising speculation, and a spirited company might make it pay. The lode is large and tinny, and could be worked by an adit 50 fathoms deep.

UNION TIN MINE is likely, it is said, to do well.

GREAT ONSLOW CONSOLS.—Great improvements are taking place here, and good and permanent results anticipated. The lode in the 60 west is looking much better, as well as the ground in the shaft, which is now a beautiful decomposed granite. A great saving is effected by water-power; the drawing the suff is performed by a powerful wheel, and the pumping by an hydraulic engine, which reflects great credit both on the engineer and manager. The chances are, after all that has been said respecting to the mine will make a good one.

DUE R OF CONSWALL has improved but without for some time pay sost; the ort is low priced the art and an artist of the ort is low priced the art and artist of the artist and has been worked to a profit to the adventurers, without the aid of any other machinery than a windlass. The parties owning it were originally in search for iron, but found a richer mineral, and it is possible large profits may be realised from it.

St. Denis Consols (near St. Austell) has very encouraging prospects, so far as regards the state of the mine, though the finances are not in the most flourishing condition. There is a 50-in, cylinder engine, driving 28 heads of stamps. The lodes are large and numerous, and producing fair average tinstuff. The china clay department is worked by virtue of the same engine, and large quantities can be produced. With the tin and the china clay good profits might soon be realised, with proper management.

BOTALLACK has sold copper ores this year 973 tons, realising 14,311. 4s., exclusive of large tin sales, and has paid 8000! in dividends; great improvements are reported here, and much better dividends may be expected. LEYANT, another of the oldest mines in this district, has much improved of late, and will also increase its dividends. The profits divided this year have been 960!.

PENDEEN, in St. Just, is between Botallack having realised, convenue.

PENDREN, in St. Just, is between Botallack and Levant, and on a parallel lode, or, as it is called, on one of the three guide lodes of the district, the other two, those of Levant and Botallack, having realised enormous profits in those mines. The shaft is down 38 fathoms below the adit of 27 fms. In the 30 fm. level the lode became regular, with occasional good stones of ore, some of them yielding 14 to 15 per cent. of copper. In the 42, when the shaft reaches that level, two branches are expected to form a junction, and at this spot, which will be reached by the end of February, a good course of ore is expected.

WHEAL MARGARET stopped dividends for some time, but has resumed them again, and paid this year 1120L.

them again, and paid this year 1120t.

At East Margaret, a valuable lode has been discovered.

Carnyouru is a new dividend mine, in the parish of St. Just, and has paid 921t, profit this year. The prospects are said to be excellent, and the present rate of dividends can be kept up, in addition to paying for new reachings.

present rate of dividends can be kept up, in addition to paying for new machinery.

Serarne Consols has not paid dividends this year, a large expenditure having been made upon the mine. The prospects in the bottom levels are good for tin, and it is probable dividends may soon be resumed.

Serarne Moon has paid 840.

West Polberro Mine is situated in the parish of St. Agnes, adjoining to and on the west of Polberro Consols, abutting on the whole western boundary of that mine. Adjacent and in the same stratification are the Great Towan, Wheal Charlotto, Tywarnhaile, Wheal Music, and other copper mines, which have paid large amounts of profit to their holders. West Polberro is a mile square, and contains upwards of 25 known tin and copper lodes, all intersected 50 fms. from surface by cross-cuts, extending more than a mile in length; consequently, they have a dry mine for 50 fms. in depth. It is held from the Duchy of Cornwall at 1-18th dues. The stratum is a pale clay-slate, overlapping the granite, radiating from St. Agnes Beacon, at the northern base of which the mine lies, analogous in position to the rich and famous mines at the base of the Carn Brea Hill. The number of shares is 6000; the calls 11. 15s. per share, amounting to 10,5001, sales of copper ore and black tin, 11001.: making an aggregate outlay of 11,6001. This sum has been devoted to sinking shafts on the North Seal Hole and Callow lodes, ventilating the whole length of cross-cuts, laying open for profitable working the large number of lodes, sinking to an 8 fm. level under the adit, and opening up reserves force and tin ground on the Callow lode, and sinking the sump-shaft on the North Seal Hole Lode. The machinery at work consists of a 40-inch cylinder pumping, stamping, and crushing ongine, constructed in 1855 by Harvey and Co., Hayle, designed by Hocking and Loam, at cost for the sylinder pumping, stamping, and crushing engine, constructed in 1855 by Harvey and Co., Hayle, designed by Hocking and Loam, at a cost for the engine of 12004.; 16 heads of stamps, crusher, and their connections, at a cost of 3004. The engine is much admired for its simple arrangements, engine of 12001.; 16 heads of stamps, crusher, and their connections, at a cost of 3001. The engine is much admired for its simple arrangements, combined with great power. It is upon the single-acting principle, with capability of being increased in power equal to a 60-inch cylinder, at a merely nominal cost. There is also a water-stamps, driving 7 heads, with dressing apparatus, making the total number of heads available 23. Tramways are laid down both underground and at surface, for the transit of the cres to the stamps and crusher, and the tin-dressing appliances are upon the most modern construction, combining Wilkins's registered separator for separating the "roughs" from the "slime," and thus economising one-third of the manual labour usually required in dressing. Operations have been steadily and effectually progressing for the past two years; and, with the aid of the ample machinery now in full work, it is confidently expected that this mine will, ere long, pay a considerable profit. years; and, with the aid of the ample machinery now in full work, it is confidently expected that this mine will, ere long, pay a considerable profit. The Callow lode, from surface to 70 fms, in depth, averages 6 to 8 feet wide, and will, at its poorest place, well pay for stoping. Immense reserves of this lode have been laid open, and rich deposits of copper ore are being raised from it; and in depth it increases in size and productiveness. On the North Seal Hole lode, an adit has been driven on its course for more than 60 fms., and the engine-shaft (Mason's) is now 3 fathoms under the adit, sinking in a splendid lode, 20 in. to 2 ft. wide, and draining the whole run of ore ground gone over in the adit. A winze is sinking 9 fms. east of the shaft, from which 6 tons of good quality copper ore was shovelled up from about 6 ft. of ground; and the end driving west, about 20 fms. from the shaft, is also in a splendid lode, 18 in. wide, of rich black oxide of copper, mundic, and fluor-spar. These facts would seem to indicate that an extensive deposit of ore may be calculated upon on this lode, an important feature being, also, that a cross-course of large size to indicate that an extensive deposit of ore may be calculated upon on this lode, an important feature being, also, that a cross-course of large size intersects it near the engine-shaft; and the lode being proved to be making rich on both sides of the cross-course, the only presumption is that it will carry with it in depth what is technically called in Cornwall a "gulf" of ore. The management is in a committee, among whom are gentlemen practically acquainted with mining, who sit weekly for the dispatch of business. The offices are in the city of Bath; the secretary is Mr Alfred Mason, of that city: the purser is Mr Mayon, of Trury; and the agent business. The offices are in the city of Bath; the secretary is Mr. Alfred Mason, of that city; the purser is Mr. Mayne, of Truro; and the agent, Capt. Thomas Julian, on the mine. The meetings are held every three months, when all accounts are submitted to date. There is no debt on the mine, the engine and machinery being all paid for; and the cost is estimated, and funds found, from meeting to meeting, as required.

Swanfool is selling good quantities of lead; and calculating the November ores at 900t, the company will have a balance in hand of nearly 1100t; whilst the mine is looking well, and the lode near upon being cut in the 80 fm. level.

TAVISTOCK DISTRICT.

The DEVON GREAT CONSOLS MINE, the wonder and the making of this district, has been referred to amongst the large dividend mines, and need not again be particularly noticed here. A great number of young concerns have sprung up around Tavistock within the last year, one-half of which it will be impossible to notice or particularise.

Sortside Consols, which at this time last year had sold 442 tons of ore, yielding 45251, has this year sold 938 tons, realising 10,5151, 17s. 6d.

We stated in our last Annual Review that various opinious were expressed in regard to the mines.

ore, yielding 4525L, has this year sold 938 tons, realising 10,515L 17s. 6d.
We stated in our last Annual Review that various opinions were expressed in regard to the mine, many persons then inclining to the belief that it would be found merely a rich deposit or bunch of ore, whilst others looked upon it as showing indications of a rich and lasting mine. Down to the level the lock has improved for some would be found merely a rich deposit or bunch of ore, whilst others looked upon it as showing indications of a rich and lasting mine. Down to the 30 fm. level the indications were most encouraging, but below this level the fine easy ground (with a lode yielding from 8 to 10 tons of ore per fathom), became harder, and the lode in the 40 had more of hard killas and capel, and with comparatively little ore, leading many practical men to suppose that the bunch of ore was got through; since this, however, the lode has been cut in the 50, 3\frac{1}{2} feet wide, worth 1\frac{1}{2} ton per fm. At Alfred Consols, a very rich bunch of gossan ore was originally discovered near the surface, and shares rose to a very high price. In sinking a few fathoms the ore entirely cut out, and many shareholders got rid of their interest in the mine. Some, however, had more patience, and although they sunk upwards of 40 fathoms deeper, through unproductive ground, they were eventually rewarded by meeting with their present rich courses they sunk upwards of 40 fathoms deeper, through unproductive ground, they were eventually rewarded by meeting with their present rich courses of ore. I mention this merely to illustrate that oftentimes when bunches of gossany copper ores are met with at shallow depth, and cut out, it often happens that larger deposits of copper are found in depth; and even should the present bottom level in Sortridge fail, another deposit may be found in depth. The reserves in the mine are now valued at 35,000%.

GREAT SORTRIDGE is looking poor. At SOUTH ROBERT a fine lode has been met with new the surface.

Sourh Zion has been face met with near the surface.

with Zion has been started within the last few months, with a retable proprietary, in 4000 shares. This is a piece of unexplored
and immediately to the east of the town of Calstock, and adjoining the River Tamer, an adit level is opened about 60 fms, and an engine is in course of erection, whereby it is intended to sink the shaft 40 fathoms upon the course of No. 2 east and west copper lode.

Ourse Buttle Picta is about to he re-workist, as Bernelstone United, in questions of 10s, each, without further liability. The old workings of comprise an engine shaft 66 fms, from surface, and appeared of, 500 fms, of levels opened down to the 37. The lodes traversing this sett are a continuation of those of South Tamar Consels and East Tamar.

At North Wheat Romer the operations are being carried on with spirit, and the returns are gradually increasing. At the beginning of the year the sales of one were little more than 400% two-monthly, they are now about 1200%, and monthly samplings are now about to be commenced.

spirit, and the returns are gradually increasing. At the beginning of the year the sales of ore were little more than 400l. two-monthly, they are now about 1200l., and monthly samplings are now about to be commenced, which in a short time, it is expected, will place the mine in the Dividend List. The whole of the returns have hitherto come from the castern, or original mine; but the company have lately been expending some thousands in laying open a new mine, about 85 fms. from Sortridge boundary, where some discoveries have aiready been made; but it is at a deeper point (the shaft at this part of the mine being down about 36 fms.) where anything lasting is looked for. When the western mine is further developed, it is probable that this concern will be a very extensive and profitable one. The reserves are valued at full 15,000l. Ore sold this year, 590 tons, 4845l. 16s. 11d. The cost for 12 months, 700sl. 11s. 9d.

At EAST WHEAL RUSSELL, some rich ore has been reported lately in the 55 fm. level east, but no course of ore has yet been discovered. It is to be hoped, after all the very confident opinions on the extraordinary lode at this mine, expressed by some of our most prominent "practical men." and the meritorious perseverance of the shareholders, that for the sake of "one and all," a good mine may be found here. The shaft has been sunk 100 fms. deep, where a level is about to be driven on the course of the lode, which is uniformly upwards of 30 ft. wide, composed principally of gossan.

At Bournodon Consous, the shaft is being sunk in order to cut the lode under an elvan, where, it is the opinion of good authorities, it will be found vehable.

At Boringdon Consols, the shaft is being sunk in order to cut the lode under an elvan, where, it is the opinion of good authorities, it will be found valuable. About six or seven months will likely, in a great measure, prove this to be right or wrong.

At Lydford Consols, a winze is being sunk under the adit, the lode in which is all the width of the winze, and part still standing to the east; 2 feet of this lode is producing lead work that will pay for dressing. The end of the 13 fm. level south under adit is about 20 fms. from this winze, and the lode is producing a little lead. In the 13 north the lode is large, and producing good stones of lead in places. About April it is expected that the lode will be cut in the 25 fm. level, where good deposits of lead are confidently expected.

that the lode will be cut in the 25 fm. level, where good deposits of lead are confidently expected.

At West Southtook, a good lode has been cut in the 10 fm. level, and a copper lode daily expected in the 20.

Exmouth and Adams has seld 1208 tons 9 cwts. of lead this year, realising 15,3524. 6s., and has paid 23654. in dividends. A considerable quantity of machinery has been paid for out of profits of late, or the dividends would have been larger. The mine never looked so well, and the returns are likely to be 150 tons a mouth in 1856, and the dividends larger.

Frank Mills adjoins Exmouth on the south, and a very rich lode has been discovered in the 60 fm. level. There are 5000 shares, 24 paid, and about 10s, per share more will be required for winding and crushing machine.

about 10s. per share more will be required for winding and crushing machinery. The mine has good prospects.

At Silver Brook Mine (which is in the same district as Exmouth and

At Silver Brook Mine (which is in the same district as Exmouth and Adams and Frank Mills Mines), the shaft is down 5 fms. below the 44 fm level, in which the lode contains some good lead ore, and improves in slnking. The 44 north is worth 10l. per fm., and the 44 south, saving work. The stopes north of the engine-shaft are worth 9l. per fm., and the south stopes are yielding moderate work. At a deeper level it is expected that the lode will be found much more productive. The agent states that there is a great similarity between the Silver Brook and Exmouth and Adams lodes, and that at the latter mine no ore ground was met with until they were down from 50 to 60 fms., while 1800l, worth of ore has already been sold from Silver Brook Mine.

Wheal Trehane has divided this year 1536l. A few months since the mine was looking dull, but the bottom level is now worth 40l, per fathom.

they were down from 50 to 60 fms., while 1800?, worth of ore has alroady been sold from Silver Brook Mine.

Wheal Trehane has divided this year 1536?. A few months since the mine was looking dull, but the bottom level is now worth 40?, per fathom. For a small mine, few in Cornwall have done better.

De yor Buller.—At this mine, which offers good prospects of early success, a powerful steam-engine has been erected, and the shaft sunk to the 32 fm. level from surface. In the 20 fm. level there is a fine productive lode, with a matrix of quartz and arsenical mundic, many fathoms in length; and this will soon be cut in the 32. The mine is in killas, with a cross-course to the east of the shaft.

Tavy Consols has for a long time been in the shade, but, a short time ago, a good lode was met with in the 56 fm. level east, and also in a winze, and created a little demand for the shares, which rose from a few shillings to 1/2 and upwards. Should the next level be found equally productive, the shares would rise considerably. There is plenty of machinery on the mine for crushing, and a splendid water-wheel for pumping. A cross-course of fluor-spar passes through the lode, not far from the shaft.

Lady Bertha, about which so much has been written, pro and con, during the last two months, is adjoining Tavy Consols, both being situate in a deep valley, one on each side of the River Tavy. A fine course of ore was met with, shallow, at Lady Bertha, and shares rose to 2/2 each, or 12,000/2 premium, but it did not hold equally good, and it is impossible to say what the mine may turn out in depth, until more is seen of the lode. Wheal Carpentrue (South Sydenham) at this time last year was making good returns of copper, and showed prospects of success. Good quantities of copper and lead were also sold this year, but a few months since the mine and machinery were sold in one lot, to a company who are now working it, under the name of West Collacoune.

Great Sheba has sold 1146 tons of copper this year, realising 2588/2. The mine is

in the 100 fm. level.

YEOLAND CONSOLS.—The shaft is down about 80 fms. from surface, and is sunk on the course of the lode, which has yielded altogether nearly 14,000% worth of tin. The monthly returns are expected to increase as

Kelly Bray is a part of the old Callington Mines. The present management have got new leases from the Duchy of Cornwall and Lord Ashburton, and from the discoveries made in the 80, 90, and 100 fm. levels,

burton, and from the discoveries made in the so, 30, and 100 fm. levels, they are in a position to return 90 to 120 tons of copper ore per month. At the end of this month upwards of 300 tons will be sampled.

Holmbush Mine, in 1000 shares, about to be increased (probably to 5000 shares), is situate near Callington, Cornwall, and from 1838 to 1844 made a profit of 39,102. It fell into trouble from a sudden irruption of water from the adjoining mines, when they stopped; this has since been thoroughly drained, and the mine is once more, after great expense, in good working, condition, with a fair present of concess. Several very working condition, with a fair prospect of success. Several very promising discoveries have been made, the chief of which is the discovery of a valuable lead lode west of the old lead lode, and all in whole from the of a valuable lead lode west of the old lead lode, and all in whole from the 120 fm. level, where it is cut to the surface; and the discovery, for the first time in the history of the mine, of the main Holmbush copper lode in whole ground west of the old lead lode, from the 132, where it is first cut to surface. The copper ore here, and at the diagonal shaft, where also a valuable discovery of ore has taken place, yields, by sample, 20 per cent. of copper; the lead yields 252, per ton. The Flapjack lode is also a rich one, increasing in value as the explorations deepen. There is a course of ore of considerable length in the bottom of the 145, producing from 1 ton to 2 tons of copper ore per fm. It is confidently expected that by continuing the present monthly expenditure in laying open the recently discovered ore ground, the company will again, in a short period, make it a dividend-paying concern.

Moznawo Mrve his sold copper over this year to the value of 570/, 13s. 3d.; " and there are 20 tons of copper ore at Swanssa for sale sgainst December cost of 1007. The price of these shares would appear to be ridiculously low, compared to the state of the mine.

low, compared to the state of the mine.

Wheal Sydney (in Plympton) a year or two since gave promise of early dividends, but the expectations have not been realised. The mine is now in a far more favourable position than it was a few months since, and may shortly meet its cost, if not realise profits. Altogether, upwards of 100 tons of tin have been sold, making from 60t. to 80t per ton.

South Chinnis is a new dividend mine this year, and has paid 7680t. It is situated in the St. Austell district, bounded on the north by West Crinnis, and on the east by Great Crinnis. The shares are chiefly held by local parties, and upon 18t. paid the price reached 300t. During the first six months of this year very large returns were made, and all the dividends paid in that time. Of late the bunch of ore failed, and no dividend was declared for six months. In the 20, below this bunch, little or no ore was found, but in the 35 a great improvement has taken place.

Fowey Consols, formerly one of the richest mines in Cornwall, ceased paying dividends for many years, but has again entered the list this year, by paying 494t.

PEMBROKE AND EAST CRINNIS.—Additional capital has been raised to

Property 4941. PERBOOKE AND EAST CRINNIS.—Additional capital has been raised to develop these mines in depth. The sump shafts are being sunk with all dispatch. The adjoining mine (Wheal Unity), belonging to the company, has been unwatered, and the agents find good tribute ground for copper, and also have discovered silver ores. Three or four important points will come off during the next few months.

GAWTON UNITED has progressed very favourably this year, and the mine holds out prospects of becoming remunerative. About 50 tons of ore will be sold shortly, and the monthly returns will, it is said, yield a

profit for the future

Profit for the future.

WHEAL THEFTEEM.—This mine, which has been prosecuted in a very spirited manner, has not yet rewarded the adventurers. Occasional good bunches of tin have been cut, but not holding long enough to pay cost. The present 66 fm. level end east is a promising point; it is letting out a great quantity of water, and producing a mass of gossan. In the 40 cross-cut also a good lode is expected to be intersected daily.

WHEAL FRIENDSHIP (near Tavistock) is the oldest mine in the district, and has been under the management of Mr. John Taylor for more than fifty years, and during which time it has made a profit of more than 300,000%, besides having provided a large sum for working Wheal Betsy, formerly a part of the same adventure. The mine, although worked for so many years, is not a deep one, the bottom level being the 220 fm., and on the underlie of the lode they are now sinking for a 230, in very favourable ground. During the last eighteen months a large sum out of the balance has been expended in extensive trials on the old lodes, and in exploring the virgin ground in the southern and eastern portions of the set balance has been expended in extensive trials on the old lodes, and in exploring the virgin ground in the southern and eastern portions of the sett. In the southern part a very promising lode has been discovered, named Kent's lode. This has been driven upon in the adit for a considerable distance, and worth most of the way 20% to 30% a fathom. It has also been cut in the 60, and will shortly be driven upon in this level, as a communication has just been made with the adit level for ventilation. Crosscuts towards this lode are also being driven in the 100 and 160 fm. levels from the old mine. There are several lodes yet in the old mine which are returning fair quantities of ore. Monthly returns about 150 tons of good quality ore, but which, it is expected, will be materially increased by the explorations on Kent's lode, and by the others in the old mine. The works are carried on very cheaply, by means of powerful water-wheels.

WHEALARTHUR hassold 2417 tons of ores this year, realising 12,528% 2s., and has divided 3070%; the quality of the ores seems very much to have

and has divided 3070*l.*; the quality of the ores seems very much to have deteriorated of late, and shares, which at this time last year were 30*l.*, have

Treceded to 7l.

Wheal Edward is considered a very promising speculation, and has progressed favourably during the year; many think it will make a better mine than Arthur.

West Maria and Fortiscue.—These mines, now consolidated, immediated.

West Maria and Fortescue.—These mines, now consolidated, immediately adjoin the Dovon Great Consols to the west, and have had large sums of money expended upon them, hitherto without any good results. The present operations consist in driving the cross-cut adit, which has been driven 166‡ fathoms; and driving west on the counting-house lode 23 fms., where the lode varies from 2½ to 3 ft. wide. These drivings will continue, as good results are looked for before long.

Collacome Mine (in Lamerton) commenced working in March, 1853. The mine is north of Great Devon Consols, and was taken up chiefly by parties connected with the latter mine, who subscribed a paid-up capital of 7500%. The engine-shaft is now down 62 fms., at which point a crosscut has been commenced for the intersection of the south, or main lode. In the 50 fm. level west the lode is of a promising character, worth from

cut has been commenced for the intersection of the south, or main lode. In the 50 fm. level west the lode is of a promising character, worth from 201. to 301, per fathom. The stopes in the back are worth from 401. to 501, per fathom. The pitch in the back of the adit level is being worked at 6s. 6d. in 11., and the lode is worth 201. per fathom. The ores sold this year have been—first sale, 78 tons; sold in Sept., 6861. 8s. 2d.; ditto in Nov., 140 tons, 8871. 0s. 9d.; the next sale, in Jan., will be 180 tons, and the mine offers good prospects of soon being a dividend-paying one. Hawkmoor, in Calstock, extends east to join Bedford United, and is upon the same lodes. The sales of apper and tin have realised the sum of 50201. 12s. 10d. above the 30 fm. level, thus showing that the lode has been productive of rich branches of copper one, of excellent quality:

of 00206, 12s. 10d. above the 30 fm. level, thus showing that the lode has been productive of rich branches of copper ore, of excellent quality; and looking at the locality, and the profits realising at Bedford United at deeper levels, the prospects at Hawkmoor may improve as the works get deeper. The eastern sump-shaft has been sunk to the 40, and the level east just commenced. The shares are well held, and in few hands, which accounts for the little business doing in them.

SOUTH TAMAR CONSOLS has paid this year 8325½ in dividends, against 10,125½ last year; this decrease in the profits is caused by the low price

10,1257. last year; this decrease in the profits is caused by the low price given by the smelters for the ore. Soft or pig-lead did not command so good a price for the first half of the year, but for the last six months the good a price for the first half of the year, but for the last six months the price has been higher than for many years past. The disturbed state of affairs, political and monetary, had its effect, but the main cause of the reduction in price of the ore was the want of competition, arising from the cessation of the Tamar Smelting Company's works. The quantity of ore raised in the year has been 1390 tons, which realised about 27,800. The working cost has been about 1450. per month, or, for the year, including dues, &c., 19,193.: this sum, however, includes the cost of a new steamengine and other machinery and buildings, amounting to about 2500. The actual profit therefore, may be estimated at rather more than 10,000. As this company does not discount the ore bills, which are at three months date, they have always available assets in hand of about 7000. The engine-shaft is now 148 fms, deep, and at this depth there is a fine orey lode, which, coupled with the fact that in the Tamar Silver-Lead Mines the lode is very productive in the 215, fully warrants the expectation that

lode, which, coupled with the fact that in the Tamar Silver-Lead Mines the lode is very productive in the 215, fully warrants the expectation that this will be a lasting and profitable mine. The number of men employed underground is 140, at surface 90, boys 51, and women and girls 20.

EAST TAMAR CONSOLS has been looking poor during the year; but the sales of fluor-spar have relieved and eased the cost, and there is yet hope the mine may be carried on to profitable results.

TAMAR SILVER-LEAD MINES.—These mines were placed under the control of the shareholders and a board of directors, chosen by them in March last. The north part, or North Flow, as it is called, has been stopped, and the materials sold; this has curtailed the cost, and the money realised by the sale of the materials is being expended in the renovation of the machinery, which was found to be in a most delapidated state. Under the chinery, which was found to be in a most delapidated state. Under the new direction, the south, and by far the most important part of the mine, has become profitable, and a dividend may be expected to be made at the meeting to be held in February next. The deepest level is the 215, where the lode in the south end is worth 21 cwts. of rich ore per fm., and the manager is now preparing to sink deeper. In the 190 the lode is very productive, yielding from 1 to 2 and 25 tons per fm. The cost is about 950%.

ductive, yielding from 1 to 2 and 23 tons per im. The cost is about 9002, per month, and the returns average 12501.

Bedden United Mine has this year returned 2290 tons of copper, which realised 16,2712, 105. The cost being for the same period 10,6231, thus leaving a profit of 56482, 10s., and the dividends paid amount to 58002. A new incline-shaft is sunk from surface to the 130, and the tramroad will soon be completed. In the 130 cast they have just reached the fine course of one that yielded so well in the 115, east of the slide; this level has been extended about 65 fms. west of the engine-shaft, principally in hard and poor ground, but within the last two months the lode has become pro-ductive, and yields about 4 tone of ore per fm. This is an important dis-covery, and will, in all probability, lead to the opening of a new mine, and be attended with very profitable results. The average number of men em-ployed underground has been 122; at surface, including boys, 45; and

of women and girls 26. t women and girls 20. Hinostop Down has sold this year 3138 tons, realising 22,6154, and as divided 82501. The mine has had a serious fall of late, but it is now has divided 8250%.

ings, and one level, the 49, driven between them; the back of this level is in whole ground to the 36, and for a great part of the distance the lode is worth from 3 to 4 tons of good ore per fm., and in the bottom of the western shaft the lode is worth 5 tons. The present prospects of this mine are, therefore, great, and it has lately become a favourite in the market. The average number of men employed underground has been 54, and at surface, including boys, women, and girls, 36.

At the United Mines, Tavistock, a 36-inch engine, capable of pumping, hauling, and stamping, has been erected, with a 30-feet water-wheel, stamps, &c. The lode has been laid open for 50 fms. in length at the adit, and about 3000l. worth of tin returned. There is a rich deposit of tin in the 80 fm. level, near the eastern cross-course, and it is concluded that the tin ground extends from cross-course to cross-course at this depth, 140 fms., and lengthens as it goes down, owing to the underlie of the cross-courses. There is also a parallel lode from 5 to 6 ft. south, also producing tin. The engine is at work, and the mine is now making profits, which will be rapidly increased, and dividends may be safely calculated on before midsummer. The machinery is paid for, and a balance in hand.

WHEAL EMMA (Buckfastleigh, Devon), in 4000 shares, dues 1-18th part of the profits—a novel feature in mining. A cross-cut adit has been being the content of the cross course at the state of the profits and a beauted before the course of the course

Wheal Emma (Buckfastleigh, Devon), in 4000 shares, dues 1-18th part of the profits—a novel feature in mining. A cross-cut adit has been driven, and a lode cut and since driven on 40 fms., through a lode which has returned over 150 tons of rich copper ore. In rising the shaft the black, grey, and yellow ore were formed up in the gossan, which is very fine, and the lode from 8 to 10 feet wide, and is still good. This mine rapidly rose in value from 1t, to 20th per share; and will be, it is said, in the Dividend List in 1856.

Brook Wood (Buckfastleigh), 4000 shares, dues 1-18th of the profits, lies to the east of Wheal Kuma, on the same lodes. An adit has been

lies to the east of Wheal Emma, on the same lodes. An adit has been driven on a fine lode, and ore has recently been discovered.

Wheal Treeny (Buckfastleigh, Devon), in 4000 shares, dues 1-18th of the profits, lies west of and between Wheal Emma and the granite, and the lode has been cut in it much of the same character as Wheal Emma presented at the same depth.

WALES.

In Flintshire, mines have progressed but slowly.

OBSEDD, twelve months since, gave promise of early dividends, but the lodes proved of a very bunchy character, and the returns of lead diminished so much that, at one time, a question arose whether the mine should be further prosecuted or not. About two months since, a new lode was discovered in the 30 fm. level, worth from 2 to 3 tons of lead per fm., and which has continued productive; and a cross-cut is now being driven to intersect it in the 20 fm. level. The mine has sold 136 tons during the

year, realising 1872/.

Merllyn.—The old mine here (which, upon a small capital of 2250/., in two years sold upwards of 30,000/. worth of lead, and paid 7500/. in dividends) has been abandoned, the lodes proving—like most others in the district—very rich at shallow levels, but poor in depth. The company, however, turned their attention, to Brynferod, an extensive piece of ground to the north of the old workings; and here three shafts are being wash. from all of which cres are being reased and the property generally. sunk, from all of which ores are being raised, and the prospects generally

not the state of t the engine put to work; and in a short time they will commence si ing upon the ore discovered in the winze in the bottom of the adit so months since.

months since.

MICHELL is progressing favourably, and selling ores, although, hitherto, the operations have been on a limited scale. The mine is in the run of the Merllyn and several other productive lodes in the district, and is likely, with its neighbour, PEN-Y-GELLI (also selling ores), to make a better

figure before long.

The VALE OF Towy MINE, near Carmarthen, has paid its first dividend this year, of 1000L, and is returning, at a good profit, 100 tons of lead ores per month. The sales this year have realised 8522L 5s. 1d. There are two engines on the mine, a 50 and a 24-in. The engine-shaft is sunk to the 40 fm. level. The ores in reserve above the 30 are calculated at 25,000L, and the dividends in 1856 will exceed 5000L.

25,000?., and the dividends in 1856 will exceed 5000?.

NORTH TOWY has not made the progress that was reasonably anticipated; still the mine presents fair prospects of success. The lode in the 20 fm. level is large, and of an exceedingly favourable character for mineral, and, at deeper levels, may make rich. The shaft will be sunk with all speed. During the year the mine has sold 55 tons of ores, realising 6700.

PENLIYNE COURT MINE (Glamorganshire).—The workings here have been stopped, a bar of hard black limestone at the bottom of the engine-shaft here impreded all recovers expect the great cost.

shaft having impeded all progress, except at a great cost.

Bronfloyd Mine (Cardiganshire).—Only about 6 tons of lead ore have been sold from this mine during the year, the operations having been confined to the driving of a long adit, to come up under the old workings, and to the sinking of a shaft through, to communicate with the adit.

fined to the driving of a long adit, to come up under the old workings, and to the sinking of a shaft through, to communicate with the adit. This shaft is down 17 fms. in good ground, and considerable expectations are entertained of these works when through.

ARRHOUVEY LEAD MINE (formerly called Melin Llyn-y-Pair), in Merionethshire, on the borders of Cardiganshire, in a stratum of killas highly congenial for lead, was purchased by Messrs. Crease, in 1854, on a new lease for 21 years, at moderate dues. Since then they have discovered at the bottom of the shaft, about 30 fms. from surface, averaging from 3 to 4 tons of lead per fm. The agents report that there is over 12,000t to 15,000t worth of ore laid open. It is worked by machinery driven by a stream of water, which is ample to drain the mine to any required depth, and for crushing, stamping, and dressing ores for the market. There is a side lode of equal promise within 10 fms. of the main lode, and as the ground between costs from 4t. 10s. to 5t. 10s. per fm. for driving, this a side lode of equal promise within 10 fms. of the main lode, and as the ground between costs from 4l. 10s. to 5l. 10s. per fm. for driving, this lode can be very cheaply worked, and, if it turns out as expected, will double the value of the property. The mine is within three miles of the port of Dovey, to which there is an excellent level road for the conveyance of ores and materials. The sale of lead last month was 19 tons 18 cwts. 2 qrs., at 15l. 9s., producing 307l. 3s. 3d.

NANTEOS AND PERMIUW has paid one dividend of 375l. this year. The lode in the deep adit is yielding a little lead: the 46 west. 5 or 6 cwts.

NANTEOS AND PENRITIW has paid one dividend of 3751. this year. The lode in the deep adit is yielding a little lead; the 46 west, 5 or 6 cwts. per fm.; east, \(\frac{1}{4} \) ton. To communicate the deep adit with the 46 fathom level west will take about six months to accomplish.

At LLANDUDNO, during the year, operations have been chiefly directed to the upper beds of ore, from which sufficient has been raised during the last eight months to meet the costs of the mine. Treweeke's shaft has been sunk to a depth of 70 fms., passing through several distinct beds. In the upper part of the shaft a grey limestone bed, called the "little yellow copper bed," was sunk through, this being the only bed above the adit that bears exclusively sulphuret ores; this is 6 yards thick, and a level northward at 60 fms. yields sufficient copper to pay for driving. Below this is the "great shale," 9 yards thick, and the next the "blackstone bed," one which has proved productive in the south part of the mine. Immediately below the shale a cross-cut has been driven 8 yards castward, stone bed," one which has proved productive in the south part of the mine. Immediately below the shale a cross-cut has been driven 8 yards eastward, with a view to cut Ellis's strings, in which works have been carried on in the 55 fm. level; there are 5 fms. more to drive to cut these strings. The 110 yard level, at Treweeke's, on Ellis's strings, has been extended 10 fms. north and 10 fms. south of the cross-cut, and considerable ground stoped away; in fact, one-third of the returns of the mine have been from this spot. The principal workings hitherto have been in those shallow beds; and as the course of ore dips down through several beds from one to another, and in the lowest part of the mine, north of the engine-shaft, there was still ore in sight that would work at a good profit before the old there was still ore in sight that would work at a good profit before the old parties were flooded out. The present company propose, by addition to the machinery, to draw out this water, and adopt three modes of operation—to work the high ground northward, to open on the strings east of the engine-shaft, and to sink the shaft deeper, unbottoming the old workings on the run of the former large course of ore, in deeper beds than have yet been seen. From shallow beds this mine has yielded upwards of 150,0002, worth of copper ores, and as the ore is known to hold down, as the shallow beds now in course of being worked will meet the current cost, and as the capital in hand is ample for reaching the deeper beds, there are few such speculations as Liandulano.

CAYLAN MINE.—This mine has made one call of 600% during the year. We had hoped to see it in the dividend list, but two levels have been brought from considerable distances to intersect two of the several lodes in there was still ore in sight that would work at a good profit before the old

recovering the last sale was more encouraging, add the cold in the 85 worst is improving for ore; now worth from 5 to 8 tons per fathogonals this is driving well into the set; it is a point of great encouragement.

East Gennie Land, or as title now called 800 for Brotone, has been gradually progressing, and may be expected to pay cost from the present time, and be in the Dividend List during the year; the quantity of ore raised in the year is 380 tons, which realised 1718. 5s. 7d. the cost, including dues, amounts to 42871. Two shafts have been sunk below the old workings, and one level, the 49, driven between them; the back of this level is in whole ground to the 36, and for a great part of the distance the lode is worth 5 tons. The present prospects of this mine are, therefore, great, and it has lately become a favourite in the market. The average number of men employed underground has been 54, and as surface, including boys, women, and girls, 36.

At the United Mines, Tavistock, a 36-inch engine, capable of pumping, hauling, and stamping, has been receted, with a 30-fect water-wheel, stamps, &c. The lode has been laid open for 50 fms. in length at the adit, and about 3000l, worth of tin returned. There is a rich deposit of tin in the 80 fm. level, near the eastern cross-course, and it is concluded that the ting ground extends from cross-course at this depth, 140 fms., between the lovel above (the 57) has been disordered by a slide; and the tevel above (the 57) has been disordered by a slide; and the best between the water from the best of the mine when from a stonness of the water from the best of the mine when from a stonness of the water from the best of the mine when from a stonness of the water from the best of the mine when from a stonness of the water from the best of the mine when from a stonness of the water from the best of the mine when from a stonness of the water from the best of the mine when from a stonness of the water from the control of the mine when from a stonness of the water from the fir

the 69 and the level above (the 57) has been disordered by a slide; and there is some difficulty with the present pumps in getting the water from the bottom of the mine when, from a stoppage of the wheel from frost or drought, it happens to get in. The length of ore ground has increased, and it may probably be found the lode will improve under the slide, and during the last six or eight months have more than met the costs, and have in a great measure cleared off the losses incurred during the nine or ten weeks' stoppage of the mine by frost, early in the year.

EAST DARREN is an extensive mine, and yields silver-lead. The sett includes the old Cwmsymlog, notorious as being once the rich property of Sir Hugh Myddleton. The mine is provided with a steam-engine for pumping, when the water-wheel is stopped by drought, and also well found with other machinery for drawing, crushing, &c. The deepest level is 56 fms., and the returns about 70 tons of ore per month, with prospects of an increase as the works are extended. When the 44 fm. level.is extended further eastward, it will unbottom and drain the old Cwmsymlog Mine for about 500 fms.

Mine for about 500 fms.

Mine for about 500 lms.

CEPN BRWYNO, or CEPN CWM BRWYNO (in Cardiganshire), is a mine of much promise, 50 fathoms deep, and with a considerable quantity of ore ground laid open, and which can be taken away at a moderate cost, when ground laid open, and which can be taken away at a moderate cost, when the deep adit, or 38 fm. level, is completed up to the mine, and which is now near accomplishment. This level will be extended castward upon the main lode, where the ore is already laid open, and will be branched off upon other lodes, which, as yet, have been barely touched, and upon others which may be discovered. The returns are now about 60 tons of lead per month, and the first dividend, of 600%, was paid in October last, with a prospect of continuance at regular intervals. The mine is worked by water-nower.

BRYNTAIL (in Montgomeryshire) has very much improved within the BENNTAIL (in Montgomeryshire) has very much improved within the last few months. A new lode was discovered a few fathoms from surface, and a level is being driven upon it, 10 fms. deep, giving, as it goes to hill, nearly 20 fms. of backs. This level has been driven through s continuous course of ore 20 fms. long; and in a winze now sinking the lode is worth 20t. per fathom: 22 tons of lead were sold at Holywell, on the 13th, 29 more are being sent off, and a short time will suffice to raise another 20 tons, and the monthly cost is only from 100t. to 120t.

CUMBERLAND.

This county produces large quantities of lead, but the mines are chiefly carried on by private and local adventurers. The Governor and Company's Mines returned, in 1854, 6576 tons. The mines of the county alpany's Mines returned, in 1854, 6576 tons. The mines of the county altogether 9890 tons of ores, yielding 6662 tons of lead, and 42,020 ozs. of silver. The Greenstee Mine yielded 1600 tons of ore—1100 tons of lead, and 4400 ozs. of silver. This has been one of the most productive and profitable mines in the county, and the ores are all smelted on the spot Brownley Hill sold 1722 tons of ore, yielding 1106 tons of lead, and 3871 ozs. of silver. The Goldscorp, 365 tons of lead, and 1215 ozs. of silver. The Keswick Mines, which are worked by a London company, have sold this year 187 tons of ores, producing 24324, against 106 tons, and 15184, of the year 1854. The chief mine, Brandley, has been opened to the 40 fm. level, where the lode is yielding more than the average produce of lead lodes. The prospects of the company have considerably improved during the past twelvementh, and still better results may be fairly anticipated.

NETHER HEARTH is near Alston, and has divided 320%, or 1s. per sha upon 2s. paid up. The prospects for lead are considered good. The mine is worked by water power. Previous to the present company taking the mine, some working men had it, and raised upwards of 1000 tons in 20 years

DERBYSHIRE.

The mines paying dividends—that is to say, such as are publicly know for in noticing those counties where mining is not so generally carri on as in Cornwall and Devon, and to which latter counties this Revie on as in Cornwall and performed to which the to deal more in general returns than to particular mines. Peak United has paid 512L, and Exallement of this year. The lead returns for 1854, for the county, were 755 tones of ores, yielding 4508 tons of lead.

SHROPSHIRE.

Mining here, so far as London companies have been concerned, has no been very successful during the year. The county returned, in 185 3797 tons of lead ore, being rather more than the previous year. Of the quantity, one mine, the SNAIL BEACH, yielded 2425 tons; White Geometric Hone Valley 258 tone; quantity, one mine, the SNAIL BEAG 800 tons; HOPE VALLEY, 258 tons. YORKSHIRE

Yields large quantities of lead, but the mines belong to lead partie The returns for 1854 were 9244 tons, against 10,308 tons of the previous year. The Swale, Dale, and Arkendale, out of this quantity yield 4817 tons; Grassington, 1800.

NORTH STAFFORDSHIRE.

MINON GREAT CONSOLS has not made such progress this year as we expected; its prospects, however, we are informed, are good. There a rich lode, from 4 to 6 ft. wide, in the underlie shaft, sinking below 4 73 fm. level, and the opinion of competent agents in the neighbourbe is that important results may be expected as this shaft goes deeper. Oper ores, realising 7101. 7s. 5d., have been sold during the year, and the is a parcel now ready for sampling.

is a parcel now ready for sampling.

STRAGDALE is a new trial, adjoining Mixon. An adit is now be driven, and it is said a lead lode has been intersected.

ROYLEDGE, about two miles distant from the above, has recently b

set to work again, and is reported to have a parcel of ores at grass.

The Dale Lead Mine is being worked by a private company; it near the famous Ecton Mine. The first sampling of lead ore will to place early in January

DURHAM AND NORTHUMBERLAND, &c.

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The mines here are chiefly private property; and among them East as West Allendale and Weardale sold lead ores in 1854 to the extent 12,220 tons, yielding 9200 tons of lead and 49,000 ozs, of silver, again 11,916 tons of ore, 9904 tons of lead, and 59,700 ozs, of silver in the particular for lead as well as silver. Little Eggleshope, 2861 tons of ore, and 21 of lead; Wiregill, 1207 tons of ore, and 895 tons of lead; the Derwo Mines, 1000 tons of ore, 800 tons of lead, and 15,000 ozs, of silver. The mines show a falling off as compared with the previous return of 330 to ore, 200 tons of lead, and 1600 ozs, of silver. Total return of the counties, 22,329 tons of ore, 16,669 tons of lead, and 78,577 ozs, of silver.

ISLE OF MAN.

The FOXDALE MINES have paid 8960t. this year in dividends, and Laxey 1900t. The returns of lead for 1854 were —Foxdale, 1900 toutore, yielding 1449 tons of lead, and 19,926 ozs. of silver; Laxey, 900 to of ore, 688 tons of lead, and 32,336 ozs. of silver—the latter mine she into a produce of nextle 26 ozs. of silver—the latter mine she ing a produce of nearly 36 ozs, of silver to the ton of ores

TRELAND.

The lead returns for Ireland last made up show a total of 2800 tons ores, 2137 lead, and 52,262 czs. of silver, against 3309 tons of ores, 2 lead, and 17,664 czs. of silver in the previous year. The largest product mines are Newtonards, in Down, 1379 tons; Laganure, in Wickle 1095 tons. The copper returns for 1854 were 11,739 tons of ore, 1 ducing 1124 tons of copper, and yielding in money 128,053, 9a, 6d. this quantity the Berehaven Mines returned 5030 tons, 53,348l.; Kno

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laid out ln tutwork.

SCOTLAND.

The Black Craig Mines are still at work, and the East Black Craig also, the latter showing very fair prospects. Cairnsmore, in Kirkeudbright, paid one dividend this year of 117L, and has since been sold, by auction, in one land were 1753 tons of ore, yielding 1279 tons of lead, and 5426 ozs. of silver. Of this quantity Black Craig yielded 204 tons; Lead Hills, in Lanarkshire, 261 tons; Wanlock Head, in Dumfriesshire, 795 tons.

JAMAICA.

Among new and interesting fields of mining enterprise, Jamaica at no distant day may assume an important position. The expectations of specu-lators have not yet been realised, more from the circumstance of extravalators have not yet been realised, more from the circumstance of extravagant reports of the richness of the mining properties having been furnished to them by interested parties in the island, than from any want of legitimate promise in many of the mines themselves. Time and perseverance are not more requisite in the established districts of Cornwall and Devonshire for the development of mineral wealth than they are in Jamaica; and when it is remembered that the mines now in operation there have been opened little more than two years, and have been wrought under many disadvantages, with very little English and native labour, the progress made must be regarded as satisfactory.

The Pour Royal Company has confined its operations chiefly to the Silver Hill Mine, where two levels have been driven a considerable distance into the mountain. A lode of much promise has been intersected and opened upon in the upper level, and in the lower it is expected immediately to be reached. Silver Hill is a remarkable mineral district, not only copper and lead ores, but also the precious metals, are widely distributed throughout it; and, as the exploratory works advance, there is legitimate ground for believing that the Silver Hill Mine will become productive and valuable.

productive and valuable.

productive and valuable.

The CLARENDON MINES present most cheering appearances, especially that at Stamford Hill. The intersection of the lode there, in the 34 fm. level, is looked forward to with great interest, and from the appearances it presents in the level above, and at the shaft sinking on its course, a valuable deposit of copper may be met with.

From Charing Cross Mine (adjoining Stamford Hill), one of the properties of Wheal Jamaica Company, shipments of rich copper ore have been made, both to the United States and to England, and the main lode in all the levels is opening out well. Other companies are also vigorously prosecuting their respective enterprises, and we hope, ere long, Jamaica may rival the sister island of Cuba in the importance of her mineral exports.

FOREIGN MINES.

prosecuting their respective enterprises, and we hope, ere long, Jamaica may rival the sister island of Guba in the importance of her mineral exports.

FOREIGN MINES.

Cantilian Mining Company.—This company was formed in May last by the purchase of some extensive copper mines from the Pennsular Mining Company, situated in the Valley of Huidobre, 60 miles from the port of Bilboa, in Spain. Its capital is 12,5004, in 25,000 shares, of 10s. each. At these mines, according to the report of Capt. John Hitchins and others who have visited the property, there is an almost unlimited supply of copper ores of a low per centage, averaging not more than 4 to 5 per cent., and, consequently, valueless for export in its original state. Capt. Hitchins, when in Spain, conceived the idea that, by a washing process, the ore might be increased to 20 per cent. at a very moderate cost, and for some considerable time tried various experiments. He eventually succeeded in accomplishing his object, and offered to go to Spain, and put his plan in full operation at his own expense, for a royalty on the saving effected (if any) by his method. The directors accepted his offer, and in August last he left for Spain with a practical ore dresser, and instructed him therein, who has since reported that he has brought up the ore to 10½ per cent. by a simple water process, and can continue to do so. This ore will be worth at least 20!, per ton at Swansea, and the cost, including freight, carriage, and expenses of sale, will not exceed 5!, por ton. It appears that, by multiplying labour, almost any amount of monthly produce may be obtained. Capt. Hitchins left Spain a short time after his arrival, on account of illness, having first left instructions for the performance of certain preliminary works necessary for the full development of his plans. These have been exceuted, and in November he left, to organise measures for a regular and continuous produce; and the prospects of the company for the ensuing year are extremely satisfactory.

PENISULLA MI

The SAN FERNANDO are selling large quantities of lead, but no information can be obtained by shareholders as to the financial state of the company, although regular dividends of 12 per cent. per annum were held out as an inducement to parties purchasing shares, and 60002, actually paid in 1854. This year the unfortunate shareholders have been treated with contemptuous silence, and altogether the conduct of the managers is most re-prehensible. It is bad enough for holders to find their shares valueless, and lose their money—worse to find the mine selling ores to the value of 3000L a month, and no account whatever rendered.

3000% a month, and no account whatever rendered.

In Spain, much speculation has been carried on in the discovery of iron ores containing silver, but no practical result has yet been obtained. Silver-lead, quicksilver, and copper mining and reduction are going on steadily, as usual. Some copper works have seen set up on the Swansea model. ALTEN MINING ASSOCIATION.—The accounts presented at the annual meeting, in November, showed a balance of 3060%. 14s. 1d., which was not divided, owing to the directors being unable to bring over the whole of the produce (out of which this balance arises) during this year. A large supply of coal has been dispatched, and in a few months all the stocks of ore will be smelted, and a shipment of about 150 tons of fine copper will be made. The assets of the company, on the 31st of March last, in cash, goods, and ores at the smelting-house, were valued at 13,346%. 10s. 1d., independent of mines, smelting-works, and buildings, all of which are in good condition. The mines, during the past seven months, have rather improved. Several exploratory workings have been judiciously carried on for some time, with the view of opening ore ground

on weins which, were suspended many yests since, and the prospect of intercenting fortunates good, more draw west, and only provided in the content of the provided in the content of the provided in the prov shareholders have authorised the directors to erect smelting works on the spot, and arrangements, we believe, are being made to carry out this important branch of business. The Silver Mines are looking tolerably well, but the returns from Hallada have been considerably less this year than was anticipated. The mine is, however, giving a profit; and when the continuation of the rich bunch of silver is met with at a deeper level, the yield is likely to be as good as heretofore. The Republicano promises to be a mine of the first order, and other silver mines in which the Copiapo Company have interest are nyeductive. Company have interest are productive. Time must, however, be given to develop the veins discovered, and under the direction of the skilful engineer, recently engaged, bright prospects appear to be opening for this

Company have interest are productive. Time must, however, be given to develop the veins discovered, and under the direction of the skifful engineer, recently engaged, bright prospects appear to be opening for this undertaking.

The great works of the Mexican and South American Smelting Company, in Chili, have turned out a greater produce than in any former year. The total make of copper in the year will, it is considered, be 3500 tons, 3000 tons of which have already arrived, or are on their way; this is more than one quarter of the total copper raised in Chili, which it is estimated will be 12,000 or 13,000 tons of pure copper, the largest produce yet known in that country. The company's silver operations have not been so successful; Mr. Robert Edward Alison, the chief superintendent at Horradura Works, near Coquimbo, having failed in carrying out the patent process of Mr. Frederick Field, the chemical superintendent, from which those parties had held out such great results. Mr. Alison and Mr. Field have likewise failed in the attempt to smelt carbonate ores of copper at Caldera without sulphurets, and in the attempt to substitute Lota and Coranel Chili coals in smelting for Nowcastle and Welsh, although they had reported both operations as fully successful. The directors have, therefore, it appears, stopped these proceedings of Mr. Alison and Mr. Field. The smelting-works at Herradura and Coldera have been completed, those at Tongoy rebuilt, and ore stations at Totoralillo and Copiapo extended. A screw steamer belonging to the company, named the Anne, has arrived this year, and is employed, in conjunction with sailing vessels, in keeping the establishment supplied with ores. The dividends paid this year have been at the usual rate, 15s. per share, free of income tax, being about 13 per cent. on the present prices. The whole of the new capital has been paid up. Mr. Lambert's smelting-works at Port Coquimbo and Compania, near La Swansea and Liverpool.

During the year 1854 copper and silver mining was much exte

cipally to France.
From Tennessee, some good copper ores have been this year introduced into England.
The Anglo-Waldeck Company, in Germany, has been in dispute and litigation the whole year. Ores have been raised, but, through the litigation, none have been sold. The ores brought to Swansca in the begining of the year were very ill-selected; they were of low produce for copper, but contained some rich gold ores. It is said the local government are fully determined to have smelting-works erected. There can be no doubt it is a true mineral district, but it is in very unfortunate hands.
The Lusitanian Mining Company has not been in operation very long, but have already paid a dividend of 1250l., and have good prospects.

GOLD MINING IN ENGLAND.

The failure of the speculations has been attended with the failure of ome of the speculators; and, consequently, gold mining and reduction have been driven to greater straits; and although many experiments have have been driven to greater straits; and although many experiments have been made, only one, that of Dolfrwynog, has been kept to work, and of this no detailed account has been given, though we believe the prospects are excellent. This branch of enterprise, generally, is only asleep, not dead—it chiefly wants men of capital and character. The gold machiners have followed the fate of the rest. All the gold reduction works have been shut up. The Berdan Machine Company have carried on a considerable business this year in Australia. The use of the machines is, however, confined to the colony of Victoria, where they are in extensive and successful operation. Nearly 20 of the larger machines have been introduced, but the one chiefly employed is a small hand-machine, made in the colony by license of the company, and of which nearly 100 have been manufactured. These are used by small parties of working men at the diggings.

CONCLUSION.

In the third edition of Mr. Murchison's British Mines, considered as a Means of Investment, some remarks are made which I consider extremely pertinent at the present time, and I cannot do better than refer to them in this place. Speaking of the "indiscriminate and unjust manner in which mining, and every one connected with it, are condemned, by persons who are either ignorant of the circumstances on which they blindly pass judgment, or who do not reflect for a moment on the effect of their remarks," Mr. Murchison calls attention to the disgraceful proceedings among bankers and merchants which have of late been frequently before the public, and asks, "Why should all mining be depreciated for the errors and faults of some, while banking and commerce should remain unscathed by any amount of reguery and deception?" "The total sum of which three firms, lately before the public, have defrauded their clients, would," Mr. Murchison says, "be sufficient to develop at least a hundred mines; but if a dozon people lose a few hundred pounds each by a mine (and it is immaterial whether they do so fairly or unfairly), they at once stamp the whole business as a deception." "There are, no doubt, many bankers and merchants who would be very indignant, and would feel severely the injustice, if the whole of their class were to be regarded with continual suspicion, and if banking and commercial pursuits were to be looked upon as only other terms for everything that is bad. Such is the view, however, which many take of mining." Although, as he goes on to say, "There are among those connected with this most important branch of national industry as large a proportion of honourable and respectable men as there are among bankers and merchants, or any other class, there is farton great a disposition to look at every proceeding in mining with suspicion, and to utter unscrupulous remarks upon every point that may arise, rashly attributing the most unworthy motives in every case where the results do not quite correspond with the expectations at first entertained which mining, and every one connected with it, are condemned, by perreshly attributing the most unworthy motives in every case where the results do not quite correspond with the expectations at first entertained. I have known men of the highest honour, and of great practical ability, pressed for their opinions upon the prospects of a mine, and who have given their views unreservedly, according to their conscientious belief, founded upon the appearances at the time; but, when unforceseen changes have taken place in the character of the lode and strats, or other circumstances may have occurred (which, perhaps, only delayed the anticipated

From Alfred Consols, Capt. M. White reports,—The lode in the 80 fm. level, south of Davey's engine-shaft, is worth for copper ore from 20% to 100%, per fm.; this is wholly south of the lode in the rise; the lode in the back over this level is worth quite 100%, per fm.; the lode in the rise over this level is worth for copper ore 20%, per fm. From the appearance of the lode in the winze sinking below the 60, we expect an improvement in this rise; the lode in this winze being worth for copper ore 40%, per fm. No change to notice in any other of the tutwork operations aince, the last report. Our sampling, to-day, is 243 tons; this is without any ore being drawn from Field's engine-shaft. The skip road is fixed to the 50%, and we hope another three weeks will bring it near completion.

From Basset Graze United, Captain J. Rogers reports that the 30 end west, on Wheal Clifford lode, is 2 ft. wide, producing good copper, and has a very promising appearance. At Wheal Wilden, an improvement in the pitches in the bottom of the adit has taken place, which ere long will not only pay costs, but leave a balance for the adventurers. Since Wheal Andrew engine has been at work the water has decreased, and there are indications of a good course of ore, reported to be worth 150%, per fathom.

From Bolenowe Mine, Captain W. Roberts reports an improvement in

lance for the adventurers. Since Wheal Andrew engine has been at work the water has decreased, and there are indications of a good course of ore, reported to be worth 1500, per fathom.

From Bolenowe Mine, Captain W. Roberts reports an improvement in the ground in the 30, driving west towards the winze sinking under the 20 fm, level. At Boiling Well Mine, Captain G. Reynolds reports they have cut a flookan underlaying north in driving the north cross-cut in the 60, the ground of which has become much harder than before, and is likely to have carried the lode further north than was expected. In the 50 cross-cut the ground is better for driving, and according to the underlay of the north lode in the 40, they expect to cut it in driving about 3 feet more. They have cut through the south lode in the eastern end, in the 40, and the north part is composed of spar, mixed with mundic and copper ore. An improvement has taken place in the 30 end east on the south lode, which is producing 1\structure to copper ore, worth 100, per fathom. In driving west in the 30, on the north lode, a branch of copper ore has been cut, which they have driven about 3 fms. from the cross-cut, and producing 2 tons of ore, worth 201, per ton. The lode in the 20 end east is 8 ft. wide, mixed throughout with copper ore. All the tribute pitches are looking better, and will, on an average, set at easier tribute.

From Bryntail Mine, Capt. Roach (Dec. 27) reports—The stopes continue as good as when last reported, still worth 151, per fm. The frost has disappeared, consequently the dressing of the ore is resumed.

From Buthertola Mine, Capt. Broach (Dec. 27) reports—They have commenced cutting the plat, preparatory to sinking the shaft. Weather permitting, next week they will begin to prepare the drawing—machine.

From Buthertolon Mine, Capt. Thomas Grenfell reports that the lode in the north end has not been broken through in the last three weeks, but the water issuing from the western end in the cut, now being put back, indicates a change of coun

I ton per fm.; in B level, the lode in No. 4 sms, 2 tons per fm.; the lode in A. 4 strong 2 tons per fm.; and that between B and C levels 850 tons, being an average of only I ton per fm.; in 95 fms.

At the Clijah and Wentworth Mine Captain C. Glasson reports they have intersected a lode in the 30 cross-cut, driving south, about 2½ feet wide, underlaying about 1 ft. per fathow, and composed of spar, mundie, and prian. It is of a very promising character, and has been driven about 6 ft. cast on Mary Ann lode, which, as it leaves the cross-course, enlarges. The other lodes are looking well, and are producing good stones of lead, with an average yield of 1 ton per fathom.

At Camdwr Mawr Mine, Captain J. Williams reports that the frost has stopped the surface operations. From the same cause, the men at the shaft have been put on tribute bargains.

From Devon Burra Burra Mine, Capt. J. Lord (Dec. 26) reports:—The shaft on the north lode is sunk 8 fms.; the lode is of a very promising character, and we find a little black and grey ore forming in it. The ground is easy for sinking, and is set to cight men, at 44, per fm. The trial shaft is sunk 8 fms. 1 ft., and is set to four men, at 27. Sa, per fm. I am glad to inform you that we have broken some good stones of copper ore in the trial shaft, from branches dipping towards the lode, and from what can now be seen so near to the surface, profubile results must follow, as the channel of ground these lodes are embedded in is highly mineralised.

From East Fowcy Cossols, Capt. Dale (Dec. 26) reports—The engine-shaft is sunk about 9 fms. from surface, and the ground is still good. We are driving a cross-cetu by four men to communicate the shaft with the adit. We are also driving a cross-cetu by four men to communicate the shaft with the adit. We are also driving a cross-cetu by four men to communicate the shaft with the adit. We are also driving a cross-cetu by four men to communicate the shaft with the adit. We are also driving a cross-cetu by four men to communicate the

ing on the course of the lode nearcat the shaft by two men, to intersect the caunter, and I think a course of ore may be depended upon at the intersection. The buildings are progressing satisfactorily.

From East Wheal Tolgus, the agent (Dec. 22) writes—The lode in the 12 fm. level, driving east from the engine-shaft, has increased in size during the past week, from 1 to 2½ ft. wide, but it somposed chiefly of mundic; the ground also in this end is much eased, from 13/ to 6// 6s, per fm. The lode in the 22 east is 2 ft, wide, producing good stones of copper ore, and has a very promising appearance. The lode in the 10 fm. level, driving east from flat-rod shaft, on North Buller lode, is 18 in. wide, producing good stones of ore; the lode in the 10, driving west, on the same lode, is 2½ ft. wide, producing good stones of ore; but do f these ends have a promising appearance. We have set the flat-rod shaft to sink to-day below the 10 fm. level, by six men, at 14/. per fm. The ground in the engine-shaft, adit, and 12 cross-cuts are much the same as when last reported.

From East Wheal Wrey, Captain J. Penpraze reports that when they had sunk the shaft 3½ fathoms they intersected the lode, finding gossan, soft spar, spots of copper, mundle, and silver-lead. They have also brought up an open cutting 41 fms, to a depth of 3 fms, and have experienced an improvement in the last 2 ft., meeting with good stones of silver-lead. The lode underlays east about 2 ft. in a fm, and is of a beautiful appearance. They have also brought up an open cutting 41 fms, to a depth of 3 fms, and are driving close by six men, at 1/. 15s, per fm.

From Exmouth and Adams United Mines, Capts, James Hampton and R. Faull report—The 49 south as producing ½ ton of lead ore per fm., and north as presenting incouraging features. The 20 having been drained by the rise in the back of the 40, the men are sinking in the bottom to effect a communication. The winze sinking in bottom of the 20 has improved, and is worth ½, ton lead per fm. From Gawton Unite

From Great South Tolgus, Capt. Daw reports—The lode in the 80 fm. level east is 1½ ft. wide, worth 6t, per fm.; in the 80 fm. level wet the lode is 2½ ft. wide, producing a little ore. In the 70 fm. level the lode is 2½ ft. wide, composed of mundie, quartz, and copper ore. In the 40 fm. level the lode is 2½ ft. wide, composed of mundie, quartz, and copper ore. In the 40 fm. level the lode is 2½ ft. wide, composed or mundie, and the producing well.

From Great Ooslow Consols, Captain G. Rickard reports—The stopes over the 45 are worth 15t, per fm.; those over the 60, 11t, per fm.; No. 3 stope, 10t, per fm.; lode in the 60 end west, 22t, per fm.; topes below the 60 sast of Stephens's winze, 9t, per fathon; Nos. 1 and 2 stopes, west of winze, 12t, per fm.; the lode in the 72 west has increased in size, and the water continues to flow freely. It yields good stones of ore, and is very promising. The progress in sinking is good; in the 72 fm. level, the ground in the engine-shalt has changed for the better.

From Lady Bertha, Captain Goss (Dec. 27) reports—The lode in the winze under the 10 fm. level is 5 ft. wide, of the most promising character, and producing some good stones of ore. The part of the lode being carried in the 10 fathom level cast is 6 ft. wide, worth from 2½ to 3 tone of ore per fm., with every appearance of further improvement. The stope in the back of the 10 fm. level, west of the winze, is worth 30t, per fm. The 10 fm. level west is improving, the lode having become more perpendicular, producing some good stones of ore. We are getting on with the dressing as fast as possible, and the mine is looking better than I have ever seen it, which our future samplings will prove.

From Lamherooc Wheal Maria, tha agent (Dec. 24) writes—The 50 is being driven west of Jessie's shalt, on the north side of the lode, in a channel of light killas, ground favourable for progress. There now remains a distance of about 8 fms. to drive in this direction to get under the large lode, of a kindly description, gone down

30 fm. level, west of shaft, is yielding lead ores of sufficient value to enable the mentoe arm moderate wages.

From North Levant Mine, Captain W. C.-Vivian (Dec. 26) reports—Gever Lode: In the 30 fm. level, west of the engine-shaft, the lode is improving, now worth 4t, per fathom. In the 30 fm. level east the lode is large, and producing a little tin; also improving in this direction. In the 20 fathom level cost the lode is worth 9t, per fm. In the 10 fathom level west the lode is large, and has a more promising appearance than for some time past.—Borlase's Lode: The stopes cast and west of Borlase's shaft, in the bottom of the middle adit, are worth about 20th per fm. We have recommenced driving the deep adit, with a view of getting under the ting ground passed through at the middle adit on Borlase's lode. The appearances of the mine are altogether more promising at present than they have been for some time.

For continuation of Mining Resorts, are access 548.3

[For continuation of Mining Reports, see page 848.]

METAL MARKET, London, Dec. 28, 1885.	Insthuiden 20- 4-1		injuring, and ages direct Polyme, 20; Grant Alfred, 1:	Malala MUUUM 24	Price per t	Mary Salar Control
COPPER. Sheathing and botts. p, 15. o d. 2 oitoms	Probable Villed	17s. 6d. to 29s.; North Fridge, 10; 85; Sortridge Consols, 5, 54, 5, 54; Thereft, 44 to 45; Taylotok Un	34s.; Lady Bertha, 20s. to 21s.; Nantess, 17s. 56. t Consuls, 18 to 186; Reic warps Unitpdr 185; Sartri 15: 55. 54 : Tavy Consuls, 18s. 6d. to 24s.: Tineroft	03310	-	ede Istining 1850
Bars, Welsh, in London 9 0 0 0 0 0 0 1 10 10 10 10 10 10 10 10 1	3%; East Rose, 55 ha, 19s., 21s., 20s., 42 \(\), 43; Par Con- 132\(\), to 135; Sort- avy Consols, 19s. to est Alfred, 24\(\), 25, d, 3\(\), 3\(\), 3\(\), 3\(\),	12a. id., ; Devon Buller. 3)% to 3%; East Ros., 14, 14%; Lady Sertha, 19s., 21s., 1s.; North Basset, 41%, 42%, 43; Part; Rosswarne United, 182% to 135; 8 and Bedford, 6s. 6d.; Tavy Consols, 19 (stock), 2, 2%, 2%; West Alfred, 24%, 5%, to 10; Wh. Edward, 3½, 3%, 3%,	Monhay. ~ Afred Consols, 18½ to 18½ to 18½ to 18½ to 18½ to 60; Great Alfred, 14, 14½, 13½, 14½, 14½, 14; 14; 18. 6d., 19s., 20s.; Nanteos, 17s. 6d. to 20s.; Northoles, 18½ to 19; Pedn-an-drea, 2½ to 2½; Rosewaridge Consols, 5½, 5½, 5, 5½; Sortridge and Bedfor 20s.; Trevelyan, 3½; United Mines (Tavistock), 2, 26; Wheal Basset, 405 to 415; Wh. Wrey, 5½ to 10;	#PELTER. Per Ton. 23 15 0- — 21 0 0- — ################################	0 1 2 0 1 3 0 1 0 4 129 0 0 126 0 0 112 0 0	Sheathing and boltsp. lb. oitoms
	o 5s.; North Basset, outh Frances, 380; aford, 6s. to 6s. 6d.; foll; Wheal Seton, Edward, 3% to 3%. worth, 16% to 17; ; Great Sortridge.	6; Hawkmoor, 2s. 6d. to 5s.; North Ba radon, 310, 300, 305; South Frances, 1, 5'c; Sortridge and Bedford, 6s. to 6s. to 137/6; Wheal Buller, 610; Wheal Se ty (Lelant), 1236; Wh. Edward, 33% to 9, 10; Clijah and Wentworth, 16% to 2%; Great Polgooth, 2; Great Sortri 2%; Great Polgooth, 2; Great Sortri	Cupid, 13; East Rose, 55; Gonamena, 27½; Hawku 42½, 43½, 43; Pendeen, 20a; South Caradon, 310 Stray Park, 7½; Sortridge Consols, 5½, 5, 5½; Sort West Basset, 37½; Wost Caradon, 132½ to 137½; 210; Wheal Grenville, 3 to 2½; Wh. Kitty (Lelant) Truesbax.—Bryntail, 7½, 8, 7½, 8, 9, 10; Clij Devon Buller, 3½ to 34½; East Basset, 32½; Grea	in barrels) 130 0 0	0 0-9 5 0 I 17 6-9 0 0 I 0 0-10 10 0 S 0 0-11 0 0 S 0 0-12 0 0 I 0 0-13 0 0 I	Bars, Welsh, in London . 9
Refined metal, ditto	arne, 130 to 132%; e Consols, 5 1-16 to al Mary Ann, 37%; 2%; Wheal Kitty United, 27s, 6d, to	ert, 36 to 36%; Rosewarne, 130 to 13 ofty, 4% to 5; Sortridge Consols, 51- nited Mines, 260; Wheal Mary Ann, 3 3%; Wheal Grenville, 2%; Wheal F a vannall, 9¼; Gawton United, 27s, 66	2a. 6d.; Hender, 5% to 5%; North Robert, 36 to Rosewarne and Herland, 3%; South Crofty, 4%; 5 3-16; South Robert, 2s., 2s. 6d., 2s.; United Mint Wheal Trelawny, 27%; Wheal Wrey, 9%; Whet (Lelant), 12%; Wheal Edward, 3%; to 3%. FRIDAY.—Bryntall, 7¼, 7½, 8¼; Carvannall, 9	juality ,, 1 19 6 —	0 0-8 5 0 I 0 0-8 5 0 I 0 0-18 0 0 I 16 0-3 16 6	Refined metal, ditto
English Pig 25 10 0-26 0 0 Vellow Metal Sheathingp. lb. 11½d 1s Ditto sheet 26 10 0-27 10 0 Ditto red lead 26 10 0-27 10 0 Ditto patent shot 27 10 0-37 10 0 Ditto patent shot 27 0 0-27 10 Spanish, in bond 24 10 0-4 American none 10 Ditto Wales 4 0 0-4 5 0 D	eos, 17s. 6d.; North nity, 1½; Pendeen, ny Park, 7½; Sort- 7s. 3d., 6s., 5s. 6d., leigh Consols, 20s.;	rllyn, 15s. to 16s.; Nanteos, 17s. 6d.; N h Downs, 1½; North Unity, 1½; Pend South Crofty, 5½; Stray Park, 7½; 8 Sortridge and Bedford, 7s. 3d., 6s., 5s. Incroft, 4½ to 4½; Treleigh Consols, 2	Lady Bertha, 22s., 22s. 6d., 20s., 22s.; Merllyn, 15s. Basset, 41, 404, 414, 41, 412, 42; North Downs, 1 24s. to 25s.; Round Hill, 21s., 27s., 30s.; South Croridge Consols, 5, 5 3-16, 4 15-16, 5 1-16; Sortridge, 4 6s. 6d.; Tavy Consols, 17s. 6d. to 29s.; Tincorf, 4 Wheal Arthur, 7¼; Wheal Reeth, 17½; Edward, 14s. 6d.	s Pat. Met p.cwt. 2 2 0 Inamina- Hardened, 9 0 0- 9 2 0 Silsp. ton ent Glass. — - 5 5 0	10 0 8 10 0-27 10 0 8 10 0-30 0 0 0 0-27 10 0 10 0 8	English Pig
Swedish, in kegs 19 0 0-19 10 0 Ditto, in faggots 21 0 0- Eaglish, Spring 18 0 0-23 0 0 Bass (Sheeta) p, lb. 12½d. Bass (Sheeta) p, lb. 12½d. Ciessen Lump 1 4 5 0- Ciessen Lump 2 4 5 0- Ciessen Lump 3 4 5 0- C	evon Buller, 31/2 to	s. 6d., 20s., 18s. 6d.; Devon Buller, 3	The following is the Mining Subscription lactions during the week:— SATURDAY, DEC. 22.—Lady Bertha, 17s. 6d., 20s.	manganese.+	0 0-19 10 0 0 0- 0 0-23 0 0	Swedish, in kegs

** At the works, 1s. to 1s. 6d, per box loss.

+ Thirty days credit, and free on board at Kotterdam. The per centage of peroxide is about 60 for Nassau lump, 60 to 64 for Giessen, and 70 and 73 for ground.

REMARKS.—In consequence of the holidays, very little worthy of no tice has occurred in our Metal Market during the past week, and price

have not materially varied.

Corren.—This metal remains as firm as ever, and there appears little

chance of a reduction at present.

IRON.—Manufactured iron of all kinds continues firm, and prices have Inon.—Manufactured iron of all kinds continues firm, and prices have an upward tendency. Contracts to some extent, for spring delivery, have been entered into, but there is, of course, an anxiety felt with regard to the result of the quarterly meetings. From the feeling expressed at Dudley, on Thursday, it is fully expected that the prices will be—Bars, 9l.; hoops, 10l.; sheets, 11l. per ton. Scotch pigs have been very quiet, and prices have rather favoured buyers. The stocks in Glasgow are considerably larger than has hitherto been supposed. The closing price for mixed numbers, f.o.b. in Glasgow was 74s. 6d. to 75s., and, although the amount of business done at these prices has not been large, no reduction is anticipated. is anticipated.

LEAD.—A few parcels have been done at a trifle lower than heretofore but the market is very quiet, and there are many holders who refuse to operate at a decline.

-This metal continues without alteration.

Tin.—At the meeting of smelters, held on Wednesday, the prices of blocks and bars were advanced 4t., and refined 6t., per ton; and a good enquiry continues at these increased rates.

Tin-PLATES have advanced, but the improvement in price has had no influence on the depend

influence on the demand.

STEEL and QUICKSILVER, as last reported.

LIVERPOOL, DEC. 27.—As is usual at this season of the year, business Lavernool, Dec. 27.—As is usual at this season of the year, business is limited as much as possible, and the market during the past week has been bare of transactions of moment. Scotch Pig-iron has been sparingly operated in at 75s. cash, f.o.b. in Glasgow, for mixed numbers, warrants; at this figure there appears to be a pause, without the prospect of any material reduction, whilst iron at or about this price, three months open, would find buyers. The shipments for the past week from Glasgow are 7439 tons, against 6415 tons in the corresponding week of last year, being an increase of 1024 tons. Manufactured Iron of all kinds maintains its firm appearance, and prices tend upwards. Contracts to some extent have been made for forward delivery, and this branch of the trade is in a very healthy position. In English Tin a further advance was announced yesterday of 4t. per ton on common, and 6t. per ton on refined. Tin-plates, been made for forward derivery, and this branch of the trade is in a very healthy position. In English Tin a further advance was announced yesterday of 4l. per ton on common, and 6l. per ton on refined. Tin-plates, consequently, have advanced in price, and parcels offered find ready buyers; in this article the demand just now is considerable, and manufacturers, being well supplied with orders, are indifferent about entering into fresh engagements, unless at the highest prices. Copper firmly holds its price, although the demand has somewhat slackened. Lead is lower, and realthough the demand has somewhat slackened. Lead is lower, and remains quiet. In other metals we have nothing to report. The following are the quotations:—Iron: Merchant bar, 8t. 12s. 6d. to 9t.—Tin: Common block, 129s. per cwt.; common bar, 139s.; refined block, 135s.—Tin-plates: Charcoal, IC, 33s. 6d. to 34s. 6d. per box; coke, IC, 29s. to 30s.—Lead: Sheet, 25t. per ton; pig, 24t. 10s.—Zinc (sheet), 31t. per ton.—Copper: Bolt and sheathing, 1s. 2d. per lb.; tile and tough cake, 126t. per ton; best selected ditto, 129t.—Yellow metal sheathing, 1s. 126. per ton; best selected ditto, 1291.—Yellow metal sheathing, 1s per lb.—Steel: Swedish keg, 191. to 191. 10s. per ton; fagot, 201. 10s. to 211. per ton.

GLASGOW, DEC. 27 .- Our market has remained very quiet this week GLASGOW, DEC. 27.—Our market has remained very quiet this week, and prices have turned rather in favour of buyers. Attention is occupied by the stocks, which are now expected to be considerably larger than has hitherto been supposed. To-day the price is easier, the market closing with sellers at 75s., buyers at 74s. 6d. to 74s. 9d. At 75s. cash a little business is reported. No. I, Gartsherrie, 80s.; No. I, g.m.b., 76s.; No. 3, g.m.b., 73s. 6d. Shipments for the week ending Dec. 22:—Foreign, 1968 tons; coastwise, 5471 tons=7439 tons. In the corresponding week of 1854 they were:—Foreign, 2061 tons; coastwise, 4354 = 6415 tons.

MINES .- The Christmas holidays have interrupted business this week and the transactions in mining shares have not been extensive. Grambler and St. Aubyn shares have further advanced from 42 to 60, 65, and in good demand. The mine has considerably improved, and from the numand St. Aubyn shares have further advanced from 42 to 60, 65, and in good demand. The mine has considerably improved, and from the number of productive lodes, and the near approach of the junction of two of them at the 36, the mine may before long take an important position. We have on several occasions called attention to the steady and progressive improvements going on in the different levels. The 12 cast, on Williams's lode, is worth 251, per fm.; the winze sinking below the adit, in advance of the 12, is worth 301, per fathom. North Basset has improved, but the shares have been flatter, owing, it is said, to speculations for the "account:" and we might here offer an illustration of our remarks a fortnight since, upon the injurious tendency of these "accounts" towards the bona fide speculator and legitimate shareholders. Suppose (for, of course, we merely deal in suppositions) a number of shares were purchased for the "account"—that is, for payment at the end of the month—at 431, being a fair market price, and when the time came the buyers were unable to pay cash, and had either the shares forced for sale against them, or had to pay a centango—that is, pay 5s. per share for the seller to carry them over pay cash, and had either the shares forced for sale against them, or had to pay a centango—that is, pay 5s, per share for the seller to carry them over to the next account, and which the latter would do by the buyer bringing the price down to 40L, this process being done by his handing over 3L per share and the centango, and they are then, as it were, at 40L for the account in January. And supposing such a price, given in such a way, to be quoted or talked of, the mine, in the face of great improvements, would become depreciated in market value 3L per share, or 18,000L, to suit jobbing speculators. We put this as a case, merely to exemplify a system which should be condemned by one and all. Rosewarne is improving in the bettem levels; shares, 132L to 135; Hender is looking better on the north and middle lodes, yet shares continue flat; East Rose have rise to 70, 80; Cupid, 13; Alfreds very flat, at 18; Trevelvan, 32 risen to 70, 80; Cupid, 13; Alfreds very flat, at 18; Trevelyan, 3; ; West Alfred, 24 to 26; Great Alfreds rather firmer; North Robert, West Basset, 37½; Devon Buller, 3½. At Great Sheba, the quality and quantity of the ore improves in depth; the 50 and 60 are in course of opening; the lode in the 40 is 30 feet wide. South Tolgua, 110. Many reports having been circulated in regard to South Garras call, and the debts owing, we find on reference to the official statement that the total liabilities not included in the accounts presented at the last meeting were 26394, whilst 60004, worth of lead was raised and on surface, ready for crushing.

The following is the Mining Exchange Official List of transactions

SATURDAY, DEC. 22 .- Bedford United, 11; Clijah and Wentworth, 17; Devon Buller

actions during the week:—

SATURDAY, DEC. 22.—Lady Bertha, 17s. 6d., 20s., 18s. 6d.; Devon Buller, 3¾ to 1; North Frances, 12; East Garras, 32s. 6d.; Great Hewas, 3s.; Swanpool, 2½ to 2¾; Sortridge Consols, 5¼; Castillian, ¾ to ½; South Basset, 412; South Tamar, 6½; East Wheal Roen, 200 to 205; North Basset, 42½ to 43; 8t. Day United, 35s. to 36s.; Great Alfred, 14 to 15; Bryntail, 8.

Wednerday.—Boiling Well, 18½ to 19½; Wheal Arthur, 6¾; North Frances, 8½ to 9; Sortridge Consols, 51-16, 5½; 53-16; Lady Bertha, 21s. 6d., 22s., 22s. 6d.; Wheal Harriett, 7s. 6d. to 10s.; Sortridge and Bedford, 6s. 6d.; East Wheal Rose, 621-16 to 65; North Towy, 2s.

Thurshay.—Gawton United, 27s. 6d.; North Frances, 8½; Lady Bertha, 20s. 6d., 21s. 6d., 22s. 6d.; Sortridge Consols, 3½, 5½, 53-16, 5½; Afred Consols, 18½; South Devon Consols, 9s.; Ivybridge, 31s. to 32s. 6d.; Bryntail, 6½ to 7; Pedn-an-dres, 1½ to 1½; North Towy, 1s. 6d. to 2s.

Friday.—Boiling Well, 19; Wheal Basset, 415; North Francis, 9½ to 10; East

13 to 1½; North Towy, 1s. od. to 2s.

Frinax,—Boiling Well, 19: Wheal Basset, 415; North Francis, 9½ to 10; East
Wheal Rose, 65, 66, 74, 75, 80; Bryntail, 8 to 8½; Ivybridge, 31s.; Fendeen, 23s.;
North Basset, 42½; West Caradon, 122½ to 125; Sortridge and Bedford, 6s., 6s. 6d.,
7s. 6d.; Alfred Consols, 18; Vale of Towy, 22s. 3d.; Trefusis, 14; Lady Bertha, 21s.,
22s.; Sortridge, 3½ to 5½.

The following business is also reported to have been done on the Stock Exchange, although the greater portion of the transactions are not in the Official List:—

Official List:—

SATURDAY, DEC. 22.—East Wheal Rose, 54; East Tolgus, 26 to 27; Rosewarne, 130; Great Wheal Alfred, 13½; Par Consols, 13½; Sortridge Consols, 5½, 5½, 5; Lady Bertha, 22s. 6d.; Sortridge and Bedford, 6s. 6d.; Pedn-an-drea, 2. Monnay.—Sortridge Consols, 5½ to 5½; North Basset, 41 to 42; West Basset, 36½; Lady Bertha, 21s. to 22s.; Pedn-an-drea, 2; Par Consols, 18½ to 19; Basset, 410; North Frances, 5½; Rosewarne, 132½; Tincroft, 4½; Wheal Arthur, 6½. West Basset, 36½ to 37½; Wheal Comford, 9; Sortridge Consols, 5½; Great Wheal Vor, 16s. 6d.

sortringe Consons, 5%; Great when vor, 10s. ou. Тисявах.—North Easset, 40½, 41, 40; Alfred Consols, 18%; Wheal Arthur, 6% to 6%; East Wheal Rose, 62% to 65; Sortridge Consols, 5½; Tincroft, 4 3-16; Bryn-tall, 7½; Wheal Edward, 3½; Great Wheal Vor, 4½; Vale of Towy, 23s. 6d.; Pedn-an-dren, 1½ to 2; Lady Bertha, 22s.; Ivybridge, 31s.; South Devon, %.

Filipay.—East Wheal Rose, 65, 72, 70, 74, 73, 76, 74, 75; North Basset, 40½ to 41; Pendeen, 23s. to 25s.; North Crofty, 11½; Tavy Consols, 20s.; Lady Bertha, 23s.; Filipay. G. S. South Tolgus, 130; Bosean, 87½; Par Consols, 19½; North Frances, 9½; Great Vor, 4½; Pedn-an-drea, 1½; Ivybridge, 32s. 6d.

The arrivals of ores and metals during the week are as follow :-Saturday.—In London, 10 cakes copper, 81 tons pig-iron, 5184 bars iron, 2262 cask and 35 tons spelter, and 60 casks steel.

—In London, 2058 bars iron from Sweden, 705 pigs lead from Spain, 1688 r from Table Bay, 47 slabs tin from Genoa, 200 cases and 24 casks zinc

In consequence of the holidays, no Official List has been published since Monday.

In consequence of the holidays, no Official List has been published since Monday.

In the Bullion Market—Mexican dollars, 5s. 0\frac{1}{2}d. per oz. nominal. Bar silver, 5s. 1\frac{1}{2}d. per outnee standard; ditto, holding 5 grs. of gold, 5s. 1\frac{1}{2}d. per oz. standard. Bar gold, 77s. 9d. per oz. standard; and fine cake silver, 5s. 6d. per oz. The imports of the precious metals to England during the week comprise—From New York, per Atlantic, 100,000\(\text{.}\); from the Peninsular, per Togus, 2387\(\text{.}\); from Sydney, per Cyclone, 4524 ounces of gold, and 1745 sovereigns; and the Donald M'Kay, from Melbourne, whence she sailed on October 1, with no less than 104,000 ozs. of gold on freight, worth about 416,000\(\text{.}\). The shipments comprise, it is supposed, the greater portion of the amount per Atlantic, besides private remittances and withdrawals from the Bank.

In Saltpetre, transactions have been limited, and sales were mainly effected by dealers accepting a further slight decline. At auction, 500 bags, 10 per cent., found purchasers at 32s. 6d., being a shade lower than at last sales, and cargoes to arrive and landed were taken at 38s. The inactivity sales, and cargoes to arrive and landed were taken at 38s. The inactivity which now prevails in the markets is mainly owing to the restrictive measures adopted by the Government to prevent exports from the United Kingdom and the colonies. Hence, though the stock is small, there is little chance of a reaction, unless speculators take off the present stock and arrivals, or a speedy peace is effected; in either case prices would experience a considerable rise. The deliveries have been 214 tons, and the imports 175 tons. The quotations are—Bengal, 38s. to 39s.; Madras, 27s. to 29s.; Bombay, 24s. to 26s.; British refined, 39s to 39s. 6d.

In Brimstone there are no transactions to record and reice continue

In Brimstone, there are no transactions to report, and prices continues last quoted:—Rough, 5l. to 5l. 15s.; roll, 9l. 10s. to 10s.; flour, 12l.

The Swansea Ticketing, on Wednesday, comprised 1631 tons of copper ore, which realised 17,260l. 16s., of which Irish mines contributed 723 tons=6642l. 4s. From Santiago, 487 tons, 552ll. 11s.; Africa, 72 tons, 2468l. 12s. 6d.: Sydney, 76 tons, 1200l. 16s.; Namaqua, 22 tons, 591l. 6s. 6d.; Tuscany, 1 ton, 26l. 1s. 6d.; Cape, 9 tons, 316l. 16s.—The sale on Jan. 8 will be 2728 tons, from Knockmahon, Ballymurtagh, Holyford, Derry Cohoone, Latter Mine, Cobre, Cuba, Garrucha, Chili, Algiers, African, French Ore, &c.

At Redruth Ticketing, on Thursday, the 3069 tons of ore sold realised 16,5391. 13s. 6d. The particulars of the sale were—Average produce, \$\particle{\gamma}_3\$ average standard, 1441. 5s.; average price, \$\particle{\gamma}_4\$. 7s. 6d.; quantity of fine copper, 173 tons 3 cwts. In another column will be found the quarterly statements of the ores sold at the Cornish ticketings, from which it will be seen that \$1,992 tons have realised \$24,7441. 15s.—The sale at Redruth, on Thursday next, will comprise 2566 tons

At East Wheal Rose meeting, on the 18th inst., the accounts showed-Balance from last account, 4485!. 9s. 7d.; mine cost, July, 2631!. 12s. 6d.; Augus 2653!. 16s. 3d.; Sept., 2316!. 11s. 2d.; surgeon and sick club, 111l. 19s. 3d.; coal 900!.; merchants bills, 3705!. 1ls. 0d. =17,0091. 0s. 6d.—Calls received, 4140!.; lee ores sold (deducting dues, 337!. 12s. 11d.), 8331!. 12s. 2d.; leaving balance again mine, 4537!. 8s. 4d. A. call of 4140!. (4l. per share) was made. Capt. James Eva reported that their prospects at North Wheal Rose would enable them from that tin to considerably increase their returns. After this month they fully calculated paying cost, and there was every prospect of the mine shortly becoming profitable.

At St. Austell Cousols Mine meeting, on Thursday (Mr. J. Dowson in the chair), the accounts showed—Balance last account, 633l, tls. 2d.; by calls, 1072l, 4s.; received for black tin, 866l, 7s. 7d.; for uranium ore, 9l, 9s. 6d.; 258ll, 12s. 3d.—Mine cost, merchants' bills, and lord's dues, 1980l, 1s. 7d.: leaving in hand, 60ll, 10s. 8d. A call of 4s. was maie.

At Tavy Consols bi-monthly meeting, on Dec. 18 (Mr. E. S. Codd in the chalc) the seconds showed.

At Tavy Consols bi-monthly meeting, on Dec. 18 (Mr. E. S. Codd in the chair), the accounts showed—Balance last audit, 1594, 1s. 11d.; mine cost, September and October, 3334, 12s. 2n.; lord's dues, 234, 4s. 4h.; merchante's bills, 1044, 2s. 3d.; sundrice, 114, 7a. —8581, 7s. 10d.—Ores cold, 2424, 15s.; aresme, 1004.; carriage of ore, 34, 3s. 10d., arrears of call and charact restored, 386, 11s., 1 saving balance against the mine, 2174, 17s. A call of & per share was made. Measter, Radmore, Codd, Latimer, Saldori, and Vigor, were appointed committee of management. Captain R. Williams reported the progress in the mine as satisfactory. They were opening a good piece of thy ground in the 60 seast. With a view to prove the lode at all points, the number of hands have been increased, and the labour costs are now 2004, per month. They anticipate considerable returns, if their present prospects continue. At the West Collacombe Mine meeting, on Monday (Rev. H. Ward in the chair), it was determined to adjourn for a week, that the escretary might communicate with the captain and purser, and request them to furnish the adventurers with an estimate of the probable costs for the next two months, and the quantity of ore they are likely to have sturface. The secretary ead that they had sold, on Dec. 20, 30 tons of cupper ore, at 61, 168 —2041; and the general impression of the shareholders present seemed to be that, in future, they might expect considerable returns of copper and lead ore.

At the Great Cowarch Mine meeting, on Monday (Mr. Sunley in the

copper and lead ore.

At the Great Cowarch Mine meeting, on Monday (Mr. Sunley in the sair), it was resolved to call a special meeting of adventurers, at which the solicitor do makers should be requested to attend, for the purpose of winding-up the company specially as possible.

semont H. iquo mon souths availy again to Thirmas Mitholism the chair; the widowns induced before the second of the control of

At St. Day United Mines meeting, on Wednesday, the accounts showed At St. Day United Mines meeting, on Wednesday, the accounts showed —Balance last audit, 3940.14s. 11d.; copper ore sold, sept. and Oct., 13736, Sc. 4d.; black tin, 13971.16s. 6d.; mundie, 8f. 13s. 4d.; old stores, 122t. 10s. 10d.—932f. 18s. 11d.—Mine cost, Sept. and Oct., 3233f. 10s. 11d.; merchants' bills, 1424f. 13s. 10d.; dector's fees, 17f. 16s. 0d.; balance for engine, 4571. 10s.; pittwork, &c., 41f. 8s. 4d.; last instalment for one-third Consols Mines, 400f.: leaving balance in favour of adventurers, 3897t. 17s. 1d. The profit on the two months' working was 1296f. 0s. 6d. Mr. Thomas Field resigned his office of joint purser with Mr. Francis Pryor, and the latter was appointed sole purser. Messrs. R. B. Broad, of Falmouth, and Joseph Morcom, of St. Austell, were elected auditors.

At Paul's Downs Mine meeting, on the 22d inst., the account showed—Balance last audit, 1046f. 4s. 8d.; mine cost, July to October, 700f. 8s. 10d.; mcr. chants' bills, 186f. 13s. 4d. = 1939f. 6s. 10d.—Calls received, 1000f.; copper ores, 148f. 17s.; tinstuff, 2f. 7s. 3d.: leaving balance against adventurers, 788f. 2s. 7d. A resolution was passed that, the mine being considered to bave had a fair trial, all operations be at once suspended, and the engine and materials disposed of. Captain John Recee also recommended stopping the adventure.

At the Carmarthenshire Slate Company meeting, on Monday (Mr. Tyrrell in the chair), a resolution was unanimously passed to enable the directors to take immediate steps for chairing a certificate of complete resystation, with a view of

John Recee also recommences appropriate At the Carmarthenshire Slate Company meeting, on Monday (air. 1 yrrell in the chair), a resolution was unanimously passed to enable the directors to take immediate steps for obtaining a certificate of complete registration, with a view of bringing the company within the provisions of the Limited Liability Act. It appeared from a conversation in the course of the proceedings, that 10,000t, had been absorbed in the prosecution of the quarry, from which no collateral advantages had been derived, and it was now proposed to work in conjunction with it the quarry which had been opened with success by Mr. Magnus, for which purpose an additional capital of 4000t, would be required, to bring the undertaking into a satisfactory state.

East Wheal Rose, Wheal Mary Ann, North Wheal Trelawny, Vale of Towy, Pantinwyn, Penyrhenblas, Westminster, Maesysafn, Minera, Brongwyn, Chuk Castle, Frithliechwydd, and South Tamar, have sold lead ore.

Pedn-an-drea United, Wh. Enys, Wh. Trevelyan, have sold black tin.

Wheal Zion sampled about 30 tons of copper ore yesterday. Wheal Unity sampled, on Monday, a parcel of copper ore, cortons, upwards of two tons of which are from the adit end on the north

Wheal Trenwith (St. Ives) progresses well, and for the period it has een in working this last time has had good success. It is now nearly paying costs, at may soon be expected to give dividends.

At Balnoon Consols, the workings, which had been suspended for a few recks, are about to be resumed with greater vigour.

Leeds Town Consols looks very promising in the eastern part of the mine. At Great Wheal Vor, the recent discovery in the 106 fully maintains is character.

s character.

At Holmbush, the assay from the samples taken from the 145, east of gaonal shaft, have proved to yield 29% per cent, of fine copper. The mine generally looking remarkably well.

At Aberdovey Lead Mine, the lode in the 22 is 15 feet thick, and they are not yet got to the south wall.

digaonal shaft, have proved to yield 29% per cent, of fine copper. The mine generally is looking remarkably well.

At Aberdovey Lead Mine, the lode in the 22 is 15 feet thick, and they have not yet got to the south wall.

At Crow Hill (St. Stephens), the lode in the 55 has improved quite as much as could be expected within a week. In the western end especially the mass of mundic has more frequent spots of lead. The water is increasing, and the branches of soild lead dipping towards the lode are now so near as to be met with in the denuie by the side, and the branches must fall into the lode a short distance ahead. The ground in the cross-cut north is favourable, with a stream of water issuing therefrom; and it is hoped they are not far from the north lode, which is still considered to be the most important.

At Ivybridge Mine, the 68 fm. level has been reached, and a fine course of ore discovered. The lode going back from the south, towards the shaft, is I foot wide, nearly soild lead. It is computed that the January sampling will be about 60 or 70 tons. Capt. Janues says:—"We have found a fine course of lead in the bottom of the 68. We can clearly see a good lode standing behind the shaft, 5 fms. in length. The lode will average I foot wide, very rich. We can al-o see a good course of ore north and south of the old shaft, 15 fms. in length. We have hauled up a kibble full of very rich work to surface, and will at once put on a sufficient number of hands to clear that level, and to take down the lode."

At South Wheal Tolgus, a great improvement has recently taken place in the prospects of the mine, which, according to a circular issued to the share-holders by Messrs. John Tayler and Sons, has had the effect of raising the value of shares (within the last four weeks) from 70t. to 105t. each, at which latter price they are now in demand. The chief improvement has occurred in the lode at the bottom of Nicholi's engine-shaft, sinking below the 90, which has gradually increased in the yield from 2 to 7 tons of copp

extensive bed of coal, the formation re-appearing at Cultra, on the County Down st about five miles below Belfast. The country is now intersected by railways, and raising of native coal is an important event for the social advancement of Uister

We have just learned that mining surveys are being made in North Wales by practical miners, under the directions of a private party, which promise to be attended with important discoveries. Mr. C. Downey, whose reports have lately appeared in our Journal, is appointed as confidential assistant. The object is to draw the attention of the monied interests to this division of the Queen's dominions, so as to prove, by truthful surveys, that there is as good a prospect for profitable returns to be made at home, and under their own eyes, and at a per centage of less expense and labour in respect of mining as in distant countries.

to be made at home, and under their own eyes, and at a per centage of less expense and labour in respect of mining as in distant countries.

At the Cologne Mining Company extraordinary general meeting (held at the London Tavern this day), a full report of which will appear in our next Journal, a circular by Mr. Armstrong, the accountant, and a report from the council, were read, stating that among the subjects for consideration were the formal deposal from office of Mr. G. W. Hodgskin, a fugitive and defaulter; certain modifications in the statutes of the company; and raising additional capital to meet liabilities and continue mining operations. Col. Curtis, C.B., one of the directors, had arranged measures for settling himself in Brussels, for being enabled frequently and personally to communicate with the councils of London and Cologne; and scarcely had arrived there when Mr. Hodgskin, in defiance of orders to the contrary, granted a bill for 4504, of which payment was stopped, it soon after being discovered that number of other bills, signed "Hodgskin and Co.," had been returned to Cologne under protest, and a warrant was applied for to secure his arrest, which had not yet been effected. The total of his deflactations amounted to about 15004. The directors, both English and German, had for the present-supplied funds from their own private resources for the prosecution of the works; and they now found it necessary to call upon the shareholders for a contribution of 4s, per share, of which 2s, per share would be payable immediately, and the remainer by sheal installments. The report of the council, as to the position and prospects of the undertaking, was altogether favourable; the principal mines of the company are the Yahlbers, ion and blende; Rohrbacherhohe, copper; Farrenberg, lead; Alte Kupfer Kaulle, copper james Watt, lead and blende; Wachter, lead and blende; Rohrbacherhohe, copper; Farrenberg, lead; 3,180 thalers (4971.), giving upor the 33,040 issued chares of the company a dividend of its 10½, de re

dend of 1s. 10%d. per share of 1f. each, equivalent to 9f. 7s. 6d. per cent.

The Alten Mining Association have received the following report, from Nov. 3 to 19:—At Raffas, we are still unable to resume the bottom workings, but the other places look promising, and yield the usual returns. In the 30 fm, level easterly there is no change. At the Old Mine, the lode in Bergmester's and the lower east stopes continues regular, yielding from 4 to 4% tons of ore per fathom. In the upper stope the hanging wall appears to take its regular course again; the lode now yield stope the hanging wall appears to take its regular course again; the lode now yield in the transroad level the lode is 6 ft. wide, yielding 2½ tons of ore per fm. The lode in the shallow level continues about 6 feet wide, with good stones of ore throughout, but not yet in great quantities.—Univers Minys: There is no change in the 30 south since my last. The new east workings at Woodfall's look very kindly, the lode being a for the standard of the st

(being now unwatered) may be profitably wrought on tribute.—C. Teaklasis.

The Pontgibaud Mining Company have received a report from Captain Rickard, from which the following is condensed:—Rours: Sainta Mary's engine-shaft is now sinking by six English and three Freuenberen, and, without any unforeseen necident, will be completed to the 160 metre level in from two to three months. Anna's shaft has been commenced below the 40, and will be pushed with alposible appeal to got a level under the run of ore seen in the 40, north and south of that shaft. The addit level, south of St. Peter's shaft, is looking very promising, and producing the control of the shaft. The shaft is the shaft, are turning out 4 tons of ore per fathom, and quite dry.—Roserus: This pertain of the mines is looking well.—Minorie: The 20 metre level, north from Tajor's shaft, on the No. 6 lode, is greatly improved. The lode in the surface stopes continues to look well.—Barricor: They have an improvement in the bottom level, and have now working in the back of the adit level five tribute pitches, price varying from have now working in the back of the adit level five tribute pitches, price varying from have now working in the back of the adit level five tribute pitches, price varying from have now working in the salver, a good surplus is left for the company.—Enor: Two stopes are order in the back, and looking well.—Prankle: The operations are proceeding satisfactorily.

The Lineres Mining Company have advices from Capt. H. Thomas to Bea. 12... West of engine shuft, in the 834m-16vel, the establishment indieded spergions. Farming reason white, shuffly which the 684m-16vel, is worth 1 for a lead gro pur, fm.: On the heigh, west of Don Carlos wines, that tode its worth 1 for per-farthen. Since-ardes wines, analysis mader the 934m; level, is worth 1 fm per-farthen. Lied-ardes where, in the 85 fm. fevel, the man have been prevented working by the water. The loads in the 75, cast of Manual's wines, is worth 15, ten per fathom. Juan's wines, sinking under the 65 fm. level, in advance of the 75 end, is worth 1 ton per fathom. The lode in the 65 fm. level, driving cast of Shaw's shaft, is worth 4 ton per fathom. San pedros wines has been hold to the 55 end cast, and worth 2 tons per fathom. Basilies wines, under the 31, is worth 1 ton per fathom. The sand worth 2 tons per fathom. Basilies wines, under the 31, is worth 1 ton per fathom. The sand worth 2 tons per fathom. Basilies wines, under the 31, is worth 1 ton per fathom. The Lustanian Mining Company have advices to Dag 17. The ground

The Lusianian Mining Company have advices to Dec. 17. The ground in Buller's winze is rather improved. The lode in No. 1 stopes, in the back of the 8 fm. level, east of Roye's winze, is 1½ ft. wide, worth 2 tons of ore per fm. The men are removed to rou up a rise from the 8 to the adit, to commence within 6 ft. of the eastern end. The lode in the adit level, west of the river, is 3 in. wide, composed of flookan and small stones of copper ore. The schooner Ellenhash er cargo of 64 tons on board, and is ready for sea. Another cargo was carting off to the coast.

on board, and is ready for sea. Another cargo was carting off to the coast.

La Fortuna Mining Company have advices from their agents, Messrs.

T. Bull, S. Kendall, and R. Williams, to Dec. 17. In the levels east of Taylor's engineshaft no material alterations are noted. At the point of junction, in the 3d level,
the lode is worth about 2 tons of lead for 5 fms. long. The level appears to extend a
considerable distance, but owing to the accumulation of mud and stuff they have been
unable to go through, so as to discover its appearance and prospects. West of the
engine-shaft, at Las Ancoras winze, under the 4th level, they are driving out the
water, which is down about 16 fms., and they hope to see the old workings by the end
of the month. In the 4th level, west of engine-shaft, the lode is large, with small
bunches of lead. The 3d level west has improved since last report; the lode is
3 feet wide, and kindly, worth \(\frac{3}{2} \) ton per fathom. Lead ore broken for November
17 tons; estimated raising for December 16 tons.

It tons; estimated raising for December 16 tons.

The Grand Duchy of Baden Mining Company have received advices to Dec. 23. The operations were generally proceeding satisfactorily. Last month they sampled 317-17 lbs. of ore. In consequence of the severity of the weather the dressing, floors were quite idle. At the saulting works, the ore smelting for compaign No. 19 would be finished about Jan. 8, but there would be nothing ready for the market before the end of that month.

The Liberty Mining Company have advices from their mines to the 8th inst.;—The mill-house return for the month of November last shows that 55 ozs. 4 dwis, of refined gold had been obtained during that period by the working of 30 stamps 302 hours only, instead of 528 hours, full time. The manager does not anticipate any trouble in hiring at Christmas the additional hands necessary to work the 42 heads of stamps night and day.

cipate any trouble in hiring at Caristmas the additional hands necessary to work the 42 heads of stamps night and day.

The Wildberg Mining Company have advices from Captain Müller to Dec. 19. The sinking of Carter's shaft progresses favourably, and the lode stuff is easier. The lode has been reached in the cross-eut, west of Caroline's shaft, but at present yields only from 14 to 15 cwts. of silver-lead per fathom. Hillfe Gottes is worth 30 cwts. per fathom: the cross-cut south, near old Dorn shaft, in the 20 fin. level, yields 50 cwts. of silver-lead per fathom. The stopes west above Umbruchs-streehe are worth 50 cwts. of silver-lead per fathom. The stopes west above Umbruchs-streehe are worth 50 cwts. of silver-lead per fathom, and the sink 25 cwts. of silver-lead per fathom. —West Mine: The level west out of Beck's sink yields 155 cwts. of silver-lead ore per fathom; the same cast, 100 cwts. of silver-lead, and the stopes above, 30 cwts. of silver-lead per fathom; east, above Blumengang sink, is worth 30 cwts.; whilst the sink progresses with difficulty, but is worth 170 cwts. of silver-lead ore. There are heaps of broken ore on the mine which cannot yet be brought to grass.—From a private letter, we learn that the mines are daily improving, and as they get down in depth, where the old men have never been, large quantities of ore, it is fuffy expected, will be found; this point has already been proved by the various sinks they have sunk. The success of the cwty best quality soft lead ore are now going into the market at Cologne. The sluver-lead siyleding about 50 or 55 ounces of silver to the ton of metal.

The detailed report of Capt. Treloar, on the property of the Imperial Parallies of the substant the property of the Imperial Parallies of the substant the property of the Imperial Parallies of the substant the property of the confidence and the property of the confidence and the property of the substant the property of

silver-lead is yielding about 50 or 55 ounces of silver to the ton of metal.

The detailed report of Capt. Treloar, on the property of the Imperial Brazilian Mining Association, having been circulated among the propictors, renders it unnecessary that we should insert it. We may, however, congratulate the shareholders on the prospects held out to them at the Mine of Antonio Pereira. A sample of the lode we have seen, and the results obtained by assay, amalgamation, and other modes of extracting gold from its ores, have been most satisfactory, in no one instance giving less than 2½ ozs. to the ton. That, with proper spirit and a judicious outlay of a small amount of capital, this will prove a rich and lasting mine, after a careful perusal of the reports, &c., would appear exceedingly probable. It is with pleasure we notice any favourable change in the prospects of those companies who, notwith-standing reverses, have acted with that straightforwardness and candour which have always characterised the Imperial Brazilian Mining Association.

From Prussia, we learn that the Rhuzert Mining Company (Fox. Here.

From Prussia, we learn that the Rhurort Mining Company (Fox, Henderson, and Nicholas Wood, &c.) are getting their pits down, as also the Hibernia (Malvary and Co.) Belgian espital is also being invested in many collieries, but all is not enough for the increased demand for coal. Coal which in 1853 sold at 6s. now sells at 10s. 6d., and scarcely any more expense in working.

During the week shares have changed hands in the following:

During the week shares have changed hands in the following:

Dividend hiss.—Alfred Consols, Carnyorth, Comford, Devon Great Consols, Gonamens, Great Polsooth, Great Wheal Vor, Merllyn, Mining Company of Ireland, Nantees and Penrhiw, North Wheal Basset, Par Consols, Rocewarne United, South Caradon, South Tolgus, South Wheal Basset, Par Consols, Rocewarne United, South Caradon, Wheal Arthur, Wheal Basset, Pincroft, United Mines, West Basset, West Caradon, Wheal Arthur, Wheal Seton, Wheal Relley, Wheal Kitty (Lelant), Wheal Mary Ann, Wheal Recth, Wheal Stotn, Wheal Telley, Wheal Kitty (Lelant), Wheal Mary Ann, Wheal Recth, Wheal Stotn, Wheal Telley, Wheal Kitty (Lelant), Pincrotter, Wheal Rower, East Wheal Rower, East Wheal Royer, East Garging, East Wheal Rower, Caradon, Craig, East Buller, East Glark, Chaigh, East Guris, East Glark, East Graig, East Wheal Rase, East Rase, East Wheal Rase, East Rase, Ea

In Foreign Mines, the market has been quiet, the only business done yesterday was—in St. John del Rey, 27; and Royal Santiago, 4½; the other quotations in stocks of this description remain without alteration worthy of notice.

The Gold Mining Share Market continues neglected; no transactions were effected yesterday, and the closing quotations may be considered nominal.

were effected yesterday, and the closing quotations may be considered nominal.

In Miscellaneous shares, a fair amount of business has been done throughout the week, and shares changed hands yesterday in Canada at 132 to 130; Canada Government 6 per Cent., Jan. and July, 110, 109½, 109¾; Crystai Palace, 2½; ditto, Preference, 4½, 4¾; Maxican and South American, 3½; North British Australasian, ½; Peninsular and Oriental Steam, 63½; Scottlah Australian Larvestment, 1½; ditto, New, ½; South Australia Land, 35½; Victoria Government 6 per Cent., Jan. and July, 109 to 100½. In Joint-Stock Banks, the market has exhibited considerable activity: transactions were effected yesterday in Bank of London, 57½ to 38; Commercial of London, 30½ to 30½; London and County, 41½ to 41½; oriental Bank Corporation, 37½ to 38; Union of Australia, 74½. In other securities of this description prices remained firm.

Mr. Waddington, the Chairman of the Eastern Counties Railway, hee

of this description prices remained firm.

Mr. Waddington, the Chairman of the Eastern Counties Railway, has published his answer to the report of the committee of investigation, and by which he appears to have answered satisfactorily the various charges made against him, rebutting in almost every instance, by written documents, the evidence given by several witnesses summoned by the committee. With regard to the condition of the permanent way, Mr. Waddington quotes the reports of Mr. Asheroft, the superintendent of the ways and works from Aug. 14, 1852, to Aug. 21, 1854, in which it is invariably stated that the permanent way and works were in an efficient state of repair. Mr. Waddington also states that the expenditure upon the repairs of the two lines for the last half-year was 22,000L, and not 3290L, as the committee state; and by the report of Mr. Bruff, the present engineer of the company, the required repairs and renewals for the next 10 years are estimated at only 12,750L a year.

The directors of the Notherland Land Engleuer Company expenses.

The directors of the Netherlands Land Enclosure Company announce that the works reccommended by Mr. Bidder to be undertaken this year have been successfully completed, and that there now only remains a polder bank to be constructed, of about 2200 yards in extent, to effect an inclosure of nearly 1100 acres of land. The plans of the canal and other works have been deposited with the Minister of the Interior, and upon their being approved, the works of the canal are to be immediately put up to public tender.

1854. ... 1,101,578 1,480,800 ...

At Castlemaine, the parties spoken of as the most successful are the Cornish minera who, with a steady persistence which characterises their class, go quietly on using the old-fashioned stamping mill, which long experience in the old country has shown to be the safest, the least expensive, and the best.

tain

Showing an increase on the quarter of 94,349 ozs.; and on the year of 162,314 ozs.

SHEFFIELD, Dec. 26.—We have little to report as to our local mining shares; prices continue very firm, and where business is done it is usually at an advance. The quotations to-day stand as follows:—Brightside, 52 to 56; Crafmant, 3½, to 5; Eyam. 24 to 25; Great Sheba, 4 to 4½; Peak United, 9 to 9½; Prince of Wales, 8 to 16; Wheal Mary, 1 to 1½.—E. SMITH AND SOK.

ANNUAL MINING REVIEW

It as with much pleasure we terer to the very claborate and valuable REVIEW of MINING OPERATIONS during the past year, by our respected correspondent, Mr. J. Y. Warson. This retrospect is in every way satisfactory and cheerful; establishing the important fact, that rapid strides have been made since 1854, not only in improved modes of working, and the consequent enlarged returns, but in the manifestly increasing desire of the public to invest in dividend and progressive mines. We commend the Review to the careful perusal of our readers; while, from the general appearance of the mines, and the satisfactory state of the Metal Market, we have every reason to hope that our concluding Journal of the next year will show even a more favourable state of Mining Prospects.

The Board of Trade returns for the month ended on Nov. 30 were issued resterday, and the accounts relating to importations into the United Kingdom giv-the following results, when compared with the corresponding month of last year:

	1854.		1855.		петелле		ecrease.
Brimstonecwts.	28,116					*****	-
Copper, ore tons		*******					166
Ditto, unwrought cwts.	9,890			*******		*******	director.
lron, ditto tons	4,579	********		*******			1795
Spelter tons		********		*******	1096		
	179,401						119,401
Saltpetrecwts.	103,578		20,337		*******		83,311

The total declared value of all British and Irish manufactures and produce exported was 8,759,8494., against a total of 6,608,4981 in the corresponding month of last year, thus showing an increase of no less than 2,151,3511. On the month's transactions.

The declared value of the principal articles of the produce of the United Kingdom exported in 1831 was as follows:—Apparel, 1,657,730/.; beer and ale, 1,314,810/.; coals, einders, and coke, 2,127,150/.; cotton yarn, 6,691,330/.; cotton goods, 25.034,527/.; earthenware and pottery, 1,360,140/.; haberdashery and milinery, 3,677,822/.; hardware and cutlery, 3,688,498/.; iron (unwrought), 7,872,412/.; wrought iron, 3,120,381/.; linen manufactures, 4,104,151/.; machinery (atcam-engines), 566,768/.; silk manufactures, 1,571,160/.; in plates, 1,037,958; woollen yarn, 1,557,612/.; woollen goods, 9,120,759/.; and other articles, 6,634,725/.

THE IRON TRADE .- "Ironmaster," in the Worcester Journal of to-day,

The Iron Trade.—"Ironmaster," in the Worcester Journal of to-day, says:—"The preliminary meeting of the iron trade was held on Thursday, in Dudley, but nothing fresh transpired, and prices remain at the quotations of last quarter. It have no doubt of the wisdom of this resolution: it would have been wrong in the present state of the money market to have attempted an advance, and the demand is not of a character to require one. It was impossible to reduce prices, for labour, coal, and ore, are too high, and the stocks too low, to warcant one. Bars are in good demand, but for boiler plates and sheets there are few orders; and mills which have not for many months past been without sufficient orders on hand to keep on full time, are now at less than half work. Though iron is above the average price, taking the mean of (say) five year' rates, still there are some works out of operation, and I should say about 8 per cent, is lessened by these stoppages out of the entire make of the district. There is no reduction in the make of pig-iron, nor do the stocks of mine pigs increase. The founders are consuming more than was ever known, and the melting pig makers find a ready sale for their makes. The price of pig iron is rather higher than it was, and I have no doubt but that higher rates will be realised for the Lady-day quarter of 1856 than has been during the present quarter.

A contemporary of yours (a short time ago) speaking of ores from a distance, observed that it was a pity they were not of a character to benefit this district to any great extent. I think in many instances this would be true, but there is an ore now being brought into South Stafforchire which I consider a most valuable introduction, and it is, without doubt, an excellentore. It is a first-class hematite ore, and either or puddling furnaces or blast furnaces is equally good; it is used raw, and the quality of the iron, made by using a mixture of it, is vastly improved. There is a large trust of it, it is very cauly and incapensively value, and in i

shire, their iron would be greatly improved. We can do very well without theirs.

Steam Power for Propulsion on Canals.—In consequence of a severe competition which has for some time existed, and still continues, between the railways radiating from Leels, and the Aire and Calder Navigation Companies, the latter have just introduced upon their canal, two screw steam tugs-boats, propelled by engines of 10-horse power each, the boilers being on the locomotive principle; the multitubular principle being necessary, from the limited space available, for the machinery. Each of these boats will themselves carry 60 tons of goods acting, at the same time, as tugs to three other boats, with from 30 to 40 tons in each. On the other hand, the railway company have had a new line of railway surveyed, which will take in four or five extensive and important coal mines, and will be about 5 miles in length. We have had, on several occasions, recently to notice improvements in canal steam navigation, and this is another instance in which the old slow movement of the draft horse, will be superseded by a speed at least double, and enable the company largely to increase their traffic, and consequently their profits.

Improvements in Rotary Engines.—Mr. Edward Hutching, of Now

movement of the draft horse, will be superseded by a speed at least double, and enable the company largely to increase their traffic, and consequently their profits.

IMPROVEMENTS IN ROTARY ENGINES.—Mr. Edward Hutchins, of New Road, Whitechapel, has taken out a patent for a rotary engine, constructed with a view to obviate mostof the objections which have in all instances been found inseparable from this description of engine. One great difficulty in all these arrangements has been unequal, rather than excossive, friction; and the patentee, in this instance, has avoided, in the main points, all eccentric motion, one great cause of unequal wear; and, by keeping the difference in the diameter between the inner and outer sides of the cylinder as small as possible, there is not much inequality in the friction on the pistons. The outer, or fixed cylinder is formed with one side to remove, for convenience in case of obstruction or repair, the rotating cylinder within being formed somewhat similar to a broad wheel, keyed on to the main shaft, and on the periphery of this cylinder are bolted one or more piston heads, as may be thought desirable. A corresponding number of cut-off valves puss through stuffing-boxes in the outer case, kept home by springs, the pistons being headed by sloping or incline plane-like pieces, by which the valves are pressed back and passed, the pistons having also volute springs to keep them in their pinces. The steam being admitted at either of the induction ports, it presses forward the pistons until they pass the eduction opening, and escape takes place; but this is so timed that the piston will have nearly passed the cut-off before the steam is exhausted, and the dead points, so objectionable in other rotary engines, are almost nominal. The engine is reversed by the action of a four-way cock, a quarter turn of which effects that object, and by an eighth part turn it is stopped. In this engine, as the friction is proportionate to the distance of the point of contact from the axis of rotatio

LIGHTING CALCUTTA BY GAS .- We understand that the works LIGHTING CALCUTTA BY GAS.—We understand that the works of the Oriental Gas Company, in Calcutta, are making good progress, and the loss of materials, occasioned by the wreek of the Dream, has been promptly made up by consignments in other vessels. Four foremen of works are actively engaged laying mains. The Medical Hall, now erecting for Messra. Scott, Thompson, and Co., and Messra. D. Wilson and Co.'s new hotel, will be fully supplied with tubing, so that as soon as the mains are complete they can be united, and the light supplied. It costs, it is stated, the Bengal Club 7004. a year for oil lamps, which is more than any London club house pays for gas. The houses in Calcutta, from the rooms being lofty, and other circumstances, are well adapted for the use of gas; and in a short period there is not much doubt but that it will take the place of the present system of illumination.

is not much doubt but that it will take the place of the present system of illumination. ENGLISH RAILWAYS,—To realise the idea of England aided by 8000 miles of railway, we must try to imagine England destitute of railways. Without railways now, where would be our commerce, our military force, or our progress? But what are our railways? They are so common to us as to cease to excite wonder; and we are apt to forget their magnitude and complexity. Well, they represent a capital of 286,000,000. They are 8000 miles long, and have 2500 stations. Their working gives employment to 90,000 persons. They conveyed last year 111,000,000 passengers, and the trade in merchandise and minerals upon them will now amount to 1,000,000 tons per week. To work them, 6000 locomotive engines, 100,000 waggons, and 20,000 passenger wheles are required. Their locomotives represent a force equal to that of 1,250,000 horaes; and if all the vehicles working were put together, end to end, they would reach from the Channel to the Sentish border, or at least, 400 miles. The railway company is also a great owner of moving stock, and a great constructor in consequence. It is also a great carrier, and owner of steam-boats, omnibuses, horses, and carts outside. ### And Carte outside.

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An

HULL, DEC. 27.—Things are almost at a stand still in the share market, and transactions are confined within the smallest possible limits. Most people are engaged 1852 3369 .5 % 18,247 16 6 145 19 0 .97 1 0 .102 10 actions are confined within the smallest possible limits. Most people are engaged 1853 2937 .6 % 19,429 3 6 182 14 0 .107 14 0 .126 0 any extension of basiness.—T. W. Faint and Co.

The copper in the ore expresses the nett price per ton of copper paid to the miner.

Mines, Price per ton.

Tons. Price per ton.

100 per 11/1/16 for the little of the lit Locke, Blackett, & Co. 33 12 2 Sold on the 26th December 82 E27 1 18 17 10 12 13 2 13 1 11 11 16 T. Somers.
Locke, Blackett, & Co. Sims, Willyams, & Co. Locke, Blackett, & Co. Sims, Willyams, & Co. th December. Wheal Mary Ann
North Wheal Trolawny
Vale of Towy
ditto
ditto Ticketing at the King's Head Hotel, H Newton, Keutes, & Co. Walker, Parker, & Co. ditto
Newton, Keales, & Co.
ditto
ditto
J. P. Eyton. Macsysafn. Minera

LEAD ORES

BLACK TIN. Amount, Purch
£ 83 19 1 - Daubus.
62 8 0 - duto
159 15 0 - Bissoe.
96 9 6 - ditto
15 10 4 - ditto
15 10 - ditto Purchasers. \$ 10 0 15 10 ditto

8 10 0 5 14 0 ditto

e 22d December.

\$1 0 0 £217 12 6 Caleniek.

\$1 0 0 £217 12 6 Caleniek.

\$1 0 0 £217 12 9 ditto

\$7 6 0 £217 12 9 ditto

\$7 15 0 £21 12 9 ditto

\$7 15 0 £21 15 0 ditto

\$7 15 0 £21 15 0 ditto

\$7 15 0 4 8 0 ditto

- Bolitho.

- ditto Wheal Enys Wheal Trevelyan ...

Sold on the 28th December. 70 £20 5 6

South Tamar

Sampled December 5, and sold at Swansea December 26, 1855.

Mines. Tons. Produce.	Price		Mines. Tons. Produce. Pri	ce,
Santiago 92 934	£9 18	0	French Sing 52 2 6 £1	5 0
ditto 85 9%	10 3	0	ditto 29 816 7	9 0
ditto 83 105	. 10 1	0	ditto 15 756 6 1	
ditto 81 93/4	10 7	0	Ballymurtagh 67 33 3	5 6
ditto 76 9%	10 11	0	ditto 27 5 5	3 6
ditto 57 9%	10 5	6	Glasgow Slag, 85 23 0 1	16 ()
ditto 7 30 1	33 16	6	African 39 31 % 31	9 ()
ditto 5 7512	80 12	0		6 0
ditto 1 45 %	. 47 5	0	Namaqua 19 27 26	6 0
Berehaven113 10	10 2	0	ditto 3 17 % 17 1	7 6
ditto107 10%	10 15	0	Sydney 76 153 15	6 0
ditto 105 10%	10 1	0	South Cork 42 3% 3	2 6
ditto 86 114	10 18	6	Coosheen 30 11 11	15 0
Knockmahon, 54 114	11 16		Tuacany 1 24 V 26	1 6
ditto 51 7%	7 17	0	Cape 9 33 35	4 11
ditto 41 9%	. 9 8	0	Slag 60 13 0 1	15 0
	TOTAL	L F	PRODUCE.	
Santiago 497 £	521 11	0	Namaqua 2? £ 591	6 6
Perelago 411	286 7	0	Sydney	6 0

| 4286 7 0 8ydney | 1422 19 0 South Cork | 380 8 6 Coosheen | 359 3 0 Tuscany | 68 0 0 Cape | 2468 12 6 Slag | COMPANIES BY WHOM THE ORES WERE PURCHASED. Tons.
48
92
214
472
437 Williams, Foster, and Co.
Mines Royal Comments
English and Australian Copper Company...
F. Bankart

... 1631 Total Copper ores for sale Jan. 8.—Cobre 108, 107, 89, 69, 65, 56, 10, 8, 102, 101, 100, 8, 67, 37, 9, 31—Knockmahon 86, 81, 73, 69, 62, 46, 40, 38, 13—Cuba 110, 105, 87, 1
Garracha 91, 51, 29, 6, 2—British Slag 87, 22—Chili 31, 49—Ballymurtagh 69, 7
—Algiers 78—Holyford 23, 11—Slag 35—African 22, 8—French Gre 3—A, W. 1
atter Mine 20—Derry Cohoone 1.—Total, 2728 tons.

COPPER ORES.
Sampled December 12, and sold at Tabb's Hotel, Redruth, December 27.

Mines.	Tons.	F	rice		Mines.	To	16.	F	rice	1.
United Mine		£5	12	6	South Caradon	7	5	113	10	
		4		0	ditto	4	5	. 14	8	
ditto		B	14	0	ditto	4	0	. 5	10	
ditto		1	1	6	West Wheal Dams	el 9	0	. 4	6	
	68		16	6	ditto	4	9	. 5	7	
ditto	64		11	6	ditto	4	5	. 3	8	
ditto		4	1	0	ditto	3	8	. 3	1+	
ditto	52	8	17	0	ditto		1	. 35	18	
ditto	49	4	0	6	Perran United	6	7	. 1	5	
ditto	28	4	6	0	ditto	3	6	. 2	0	
ditto	23		1	6	ditto	3	7	. 2	3	
ditto		2	18	6	ditto		5	. 2	11	
Fowey Conse	ols	7	19	0	Wheal Comford	8	4	. 2	2	
ditto		8	13	0	ditto	8	0	. 1	1	
ditto		6	5	6	ditto	******	2	. 19	1 4	
ditto		6	13	6	Wheal Clifford	B	1	. 8	10	
ditto		8	13	0	ditto	7	1	. 8	10	
		3	14	0	Creegbrawse & Pen				5	
ditto	60	1	17	0	ditto	2	2	. 3	11	
Tresavean	90	8	8	6	ditto	2	0	. 4	3	
	75	3	1 15	6	ditto	1	6	. 3		
ditto	74	3	6	0	ditto		7	. 9	16	
		3	6	0	Treleigh Consols				1	
		3	15	6	ditto	1	3	. 4		
ditto		3	3	6	East Tolgus	1	1	. 6	24	
		1	13	6	North Downs		9	. 3		
ditto		2	4	6	East Polgooth		3	. 3	15	
	on 91			6	Wheal Mary		2		5	
ditto	6.1	8	8	6						

| TOTAL PRODUCE. | TOTAL PROPURE | TOTAL TOTAL PRODUCE.

COMPANIES BY WHOM THE ORES WERE PURCHASED. Amount. \$ 976 7 2922 2 1089 13 1211 10 Mines Royal Company Vivian and Sons
Preemen and Co.
Greufell and Sons
Crown Copper Company
Sims, Willyams, Nevill, and Co.
Williams, Poster, and Co.
English and Australian Company
Mason and Elkington
F. Bankart
F. Bankart £16,539 13 6 Total 3069

,	16-Old J	oigna	10-15																
٠				- 1	OURTH	8/	١L	E	IN D	EC	E	MB.	ER.						
١	Year.	Tons.	Pro	d.	Amor	int			Stan	dar	đ.	-	re c	opp	er	Ca	ke co	opper	r.
	1846	2689	734		£13,054	16	6		£105	17	0		£67	12	0	 £88	10-	£ 91	
	1817	2977	8		15,334	9	6	***	. 98	19	0	***	64	11	0	 98	0-	101	
1	1848	2526	734		0.550	13	0	***	92	1	0		53	6	0	 79	10		
٠	1849	2379	63		10,773				110							 84			
	1850	2398							110	1	0	400	68	- 3	0	 84	0		
	1851	2002			0.470	16	0		107	18	0		68	5	0		10		
	2073	9900	5.50		10 997	10	6	***	145	19	0		97	1	0	 102	10		
	1853	2957	63		19,429				180	14	0		107	14	0	 126			
	1054	97.00	4.1	,	91 649	- 4			149	17	0		96	12	0	126	44		

CONDENSED MINING REPORTS.

and a module populo and 2 of I med acceptance about 100 I all and 0.1 odd of I med the module of several of the Numbers during the past year being out of print; we recommend that the Journal should be regularly sled on receipt: it then forms in accumulating useful works or reference.

UTILISATION or SLAW N. SLAWE.—See: In reply to "The Oracle," in your Journal of the 15th irst., I beg to refer him to your Journal of Sept. 16, 1854, as to the dates of patents; March 31 and April 7, 1855, as to Dr. Smith's lecture, and discussion thereon; July 28, my letter; Oct. 20 and 27, Mr. Mushet's letter; Nov. 10, 17, and 24 (page 735), and supplement; Dec. 8, my calculations; Nov. 15, a letter of "Ope," and Nov. 25, my reply to "Ope," which I consider gives sufficient evidence of the manufacture of slag in all its branches, and which ought to satisfy any person wishing to engage in the business, particularly in remote parts from the iron and slate districts.—W. G. ELLIOTT: Blissorth, Dec. 26.

SMELLING.—Sir: I beg to return my heat thanks to your correspondents for their

districts.—w. G. ELLIOTT: Bisscoth, Dec. 25.

SMALTING.—318: I beg to return my beat thanks to your correspondents for their kind information relative to the smelting of lead slags mixed with sandstone; but, unfortunately, I am in a district where I cannot get the fluor spar or the iron for a flux, except at an enormous cost; but, at the same time, I should feel very much obliged if the same or any other of your correspondents could inform me what application would flux this fire-resisting substance different to previous statements.—S. D.: Dec. 26.

what application would flux this fire-resisting substance different to previous statements.—S. D.: Dec. 26.

The Harrisanian Process of Operation upon Aubiperson Orbes.—Sir: Permit me to correct an error in your last Journal, in giving an account of the successful mode adopted by Mr. Harris for the extraction of the precious metal by the action of chlorine. Having been present at the experiments, when Mr. Harris fully explained and showed the means to precipitate the gold by suppluseful and not explained and showed the means to precipitate the gold by suppluseful and not explained and showed the means to precipitate the gold by suppluseful and not explained and showed the means to precipitate the gold by suppluseful and in the case from the Chancelloraville Mine were operated upon, but also one from Mérionethshire, with equal success, and the silver was also extracted without any additional cost.—Michare McKermann: 5, Red Lion-square, London.

The Duston Iron Ord Company.—If our correspondent, "G. K.," will refer to the Journal of the 22d inst. he will find that ample justice has been done to his communication, under the initials "K. Q. G.," and the object he has in view would not be further assisted by inserting his letter at full length. Dissentient shareholder a should call a meeting, to consider the best course to be adopted.

North Bettian Australasian Company.—"W. L." (Salisbury). The report from Capt. Bray, referred to by our correspondent, was left over on the let instant, through the late hour it arrived; and, upon examination the following week, the Journal, which was the reason of its being omitted.

"Jenics."—Six: The suggestions thrown out by your valuable correspondent are

Journal, which was the reason of its being omitted.

"Junta,"—Sin: The suggestions thrown out by your valuable correspondent are so practical on different subjects connected with mining and mines, that it is to be boped he will continue them weekly, as they are exercising much influence in good quarters, and serve as an excellent guide to those about to embark capital in speculative schemes. His remarks in your last Journal are penned in excellent taste relative to the Mining Exchange; and I only regret that he did not, in noticing the Mining Subscription Rooms, instead of condemning them allogather, offer hints to the managers. Impartiality dictates my thus noticing in commendable terms the labours of this excellent critic, in spite of the hart rub he lately dealt me.—H. Gukralla: Gity, Dec. 26.

"J. J." (Newport).—Mr. Catherall has published a valuable work on North Wales, in which the particulars of Port Madoc will be found. We are unable to inform our correspondent whether it is published in London, but are informed that it can be obtained from any respectable bookseller in North Wales.

NETHER HEARTH LEAD MINE.—SIR: I have just come across a very interesting pam-

be obtained from any respectable bookseller in North Wales.

NETHER HEARTH LEAD MINE.—SIR: I have just come across a very interesting pamphlet, stving a history of this mine under the two companies that have worked it. The former paid dividends during 19 of the 20 years they held it; the present have hecen in possession two years, and have paid one dividend, and state that they are lost ready to pay a second, which will repay back all the outhy. Now, this is all very well; but what I want to know is, what is at the hottom of this mine? Does the lead hold down? Will not the whin, which is just underneath, cut it out? Is to stip ossible for a vein of lead to penetrate the whin? Have we ever found lead in whin? Is not whin a aedimentary rock, and does not it owe its origin to water? Let the old firsy school come forward, and prove that the site of Nether Hearth was one; a pot of boiling lead, if they can. I believe that the pillars of the Giant's Causeway were once trunks of living trees, and now are nothing more or less than petrified into whin. Mr. Calvert to has given a clear and straightforward report, which is printed in this pamphlet; but I cannot gather whether he is of the fiery school; our whether be belongs to the more temperate and sober-minded element, water. Messers, N. Ennor and J. H. Holdsworth have hoisted their flag, which cannot be mistaken. Now, let Mr. Calvert come forward, and boddly nail his colours to the mast. If it should be the red flag, I shall not like him the less, although I certainly shall not be able to agree with him.—A. Bins: Burham, Dec. 26.

"J. W." (Kotherham).—The Beil and Lanarth Mines are situate at Gwennap. The office is not be more to the most action to the conflect is not be more to the control office is not be more to the most of the clamb.

"J. W." (Kotherham).—The Beil and Lanarth Mines are situate at Gwennap. office is on the mines.

Weisen Potosi and Waysgan Slate Companies.—Sin: Have I been rightly informe that an unfortunate shareholder, a schoolmaster, residing at Chesterfield, was the holder of 10 Welsh Potosi shares, and 150 Wrysgan Slate, and being threatene with proceedings for arrear of calls, he sgreed to forfeit the whole of the shares and to pay, in addition, 151, to be released from any further hability?—A Reader Crig, bec. 27.

SOUTH CORK MINE.—"A. B."—Our correspondent has acted quite right in the course he has adopted, although he is mistaken in supposing the Mizen Head and South Cork are one and the same. The language he uses is not stronger than the conduct of the parties connected with the concern referred to descrive; but we cannot publish his letter, as it would subject us to legal proceedings. At all events, stoj the transaction.

The transaction,

GREAT WHEAL BURY (LINTED).—Sir: So we are to have a deputation of experienced practical men to visit us at Chacewater, and inspect Great Wheal Bury. I only hope it will induce them to fork out their own money, and so give us small shareholders some more confidence to bring forth our little mites to the grand work. If we want \$60,000L\$, no doubt they could advance it. I hope the next number of your paper will bring us a satisfactory answer to my queries. Assuming them to be fairly answered, as no doubt they should be, and that the promoters will let us know whether or what they are to gain out of us,—first, I go on to ask whether the influential intending Cornish shareholders, whose names we see put down on Messers. Manuel and Pascoo's lists, and on the faith of which we agreed to subscribe, have really written their own names down in the list? Secondly, whether one of the scentlemen, whose name is printed in the prospectus as director, did not order his mant to be scratched out, as lawing been inserted without his authority? and thirdly, what money is actually subscribed? There are a rew more questions to add, but your space is too valuable this time.—A Sharkendorae: Chacewater, Dec. 26.

MISING INVESTMENT COMPANY.—On reference to our advertising columns, it will be

MINIMO INVESTMENT COMPANY.—On reference to our advertising columns, it will be seen that Mr. Evan Hopkins has undertaken the entire charge of forming and con-ducting this company. We understand the prospectus will be ready next week.

T. C. S." (Gloucester-place).—Several travellers state that the motive of the interminable war between the Russians and the Circassians has not only been caused by the last for conquest and love of aggression by the former power, but that they are impelled to it by the knowledge that the Caucasus abounds in the precious metals. Large quantities of gold have been found in the River Ingour; it may be remembered that this stream was lately forded by Omar Pacha, and a sanguinary battle fought on its banks.

fought on its banks.

Lonsdale Consola Mining Company.—"A Solicitor and Sharcholder" complains that although he has long been making endeavours to procure information relative to this mine, he has not succeeded. He, therefore, invite any sharcholder, who does not wish to see justice set at deflance, to join him in an attempt, by proceedings at law or in equity, to recover the amounts paid upon the shares. Still be fears the cautiousness of the promoters, in not issuing any prospectus, will defeat them. He says, the manor and forcat of Eonardale, referred to, is not in Cumberland, and that enquries made of the Earl of Lonsdale are repited to with a hauteur which for bids any hopes of success. The writer considers the sharcholders ought not to be alarmed at commencing these legal proceedings to obtain their rights, and hopes that any assistance which can be afforded will be forwarded him.

RED DEAGON MINE—We have received according to many continuous processing the new

RED DEAGON MINE.—We have received several communications respecting the pro-spects of this adventure, and upon enquiry we are informed that a public meeting will be called early in January, with a view of finally winding up the consern.

will be called early in January, with a view of finally winding up the concern.

South Boo Mine.—In our last week's Notices to Correspondents, in rectifying some errors in the report of the meeting held the previous week, we stated that the assets were doubtful, in consequence of the call on a large number of shares, transferred from Messrs. Powell and Cooke to Mr. Fuller, being repudiated by both parties. We find that Messrs. Powell and Cooke regularly transferred the shares to Mr. Fuller, and they were registered before the call was made. Messrs. Powell and Cooke have, therefore, nothing to do with the non-payment of the call, and we regret that the statement was inserted; we received it from a party whom we presumed had no object in view but correcting an error, and if the party were cognicant of the transfer and register before the call, such a statement ought not to have be a sent us. Our columns are open to all, but we do expect communications to be founded on fact, in justice, not only to us, but to our readers.

A.B.C. (Hoxion).—Water or Ardraulic telegraphs have before been suggested.

sent us. Our columns are open to all, but we do expect communications to be founded on fact, in justice, not only to us, but to our readers.

8. A. B. C." (Hoxion).—Water or hydraulic telegraphs have before been suggested, and we cannot say how many arrangements have been patented. In the Mining Journal, of Jan. 29, 1848, a description will be found of "Jowett's hydraulic telegraph." It consists of a small epider and piston at each station, on the rod of which is a small indicator, pointing to a vertical column of the 26 letters of the alphabet, with any figures or signs as may be found effective. These exclinders were connected by a small tube from station to station, and when filled with water, one-piston must be at its blowest point in the cylinder, the alphabet being inverted, with A at the bottom, and in the other the piston must be at its highest point, the alphabet descending. On being complete, the slightest motion of the piston at one end gives a corresponding reversed motion at the other, and each will point to the same letter or sign. From this brief notice, our correspondent will readily perceive how easily telegraphic communication may be effected by these means.

DEVON UNITED MINING COMPANY.—"A Sharcholder "complains of the apathy shown by the present adventurers in the working of this sett, and suggests that a new company be formed to develop its mineral wealth with a proper spirit of enterprise. He says, Wheal Baseet, Teravean, Devon Great Consols, West Basset, West Wheal Seton, and many other of our best paying mines had been abandoned by one or more companies before they became profitable. He further states, that if the present adventures will not accept his proferred advice, the utmost endeavours will be used by some parties to obtain the sett, which he believes to be second to none in the county of Devon. He calls upon his brother shareholders not to abandon the winc, when an outlay of between epofficial object, they become not to abandon the workings as to place the adventure in a position

the capinal expended.

FRENCH POSTAL ARRAHOMMENTS.—In accordance with the new postal convention between France and England, our French subscribers will, after Jun. 1, 1856, be supplied with the Mining Journal at 14. 6s. per annum, payable in advance by draft on demand on a house in London. This amount will include the postage payable in England, and no further charge of any kind will be levied in France. All books, &c., published at our office can likewise be forwarded on receipt of a remittance for the amount, with twopence in the shilling added for postage.

Subscribers in America.—Our friends in America are informed that they can obtain the Mining Journal by ordering it from a bookseller in any of the principal towns in the United States. Mr. Trübner, of Faternoster-row, is the London agent, and sends parcels by every mail to the principal booksellers and newsageats on the other side of the Atlantic.

GREAT CREATEST AND THE PROPERTY OF THE CONTROL OF THE PROPERTY absurd question to ask whether it was only a bunch of ore, when the end of it had not been seen."

Prinishlar Mining Company.—This company's last sale of ore, 22 tons, was reported in the Mining Journal of Nov. 24. We are informed that a vessel is now out, and expected to bring to Swanzea in a short time 170 tons of copper ore from the mines. There is only one Peninsular Mining Company whose property is gluate in Spain. Clara Minn.—Sis: I understand the operations of this mine have been suddenly brought to a stand still, and the lord has taken possession of the works, demanding 1004. from the adventures (upon what ground is not stated) before he will withdraw.

In the first instance, the set was taken from Mr. Rowlands for 12 months, on a take-note, at 1-15th dues; and at the expiration of that time an agreement for a lease was obtained, for 21 years, at the same dues as in the take-note, the only condition of forfeiture being that not has than six men should be employed underground at any period. A considerable time had elapsed, and the agreement was, for some cause or other, not completed. The costs have been allowed to get in arrear four or five months, and yet no steps were taken by the officials to acquaint the shareholders with the state of affairs; and the lord was quietly allowed to seize the property, though the agreement was being complied with, as it appears to me, simply because no one appeared to question his right to do so. I know that among the proprictors there are some of the highest respectability and position, who are willing to prosecute the adventure with vigour, if those in office would but condescend to manage it with judgment and discretion. Somewhere there has been culpable neglect, which demands explanation, and which, I trust, will be instated on by those whose confidence has been abused by parties paid to look after their interest and property. There is more in this seizure than appears on the surface, and it is a duty to see that the means are justified by the motive.—A Sharkholder:

The space occupied by the Annual Review or Mining has materially interfered with our usual arrangements; occasioning the omission of many valuable contributions, the condensation of various letters, and the abridgement of our Mining Intelligence,—but the information collected by Mr. Watson will, we feel assured, be found of such general interest as to prevent any feeling of disappointment at necessary curtailment or omission.

THE MINING JOURNAL

Railway and Commercial Gagette.

LONDON, DECEMBER 29, 1855.

We are now enabled, through the attention of the KEEPER OF MINING Records, to give our readers a correct account of what has been done in the Mining Record Office of the National Establishment in Jermyn-

RECORDS, to give our readers a correct account of what has been done in the Mining Record Office of the National Establishment in Jermynstreet. There are deposited in this office the plans and sections of upwards of 200 metalliferous mines, and of about 100 collicries. These are comprehended in some six hundred and fifty documents, of which about five hundred are the plans and sections of metalliferous mines. To these must be added the geological sections of the cuttings of 57 of the most important railways in the kingdom, and nearly 100 miscellaneous documents, connected in some important particulars with the mineral interests of the country.

Although the Mining Record Office has been many years established, it is only within the last two years that it has been really placed on such a footing as to be enabled to carry out, in a satisfactory manner, the objects originally intended. At its first establishment, the chief duties of the Kerfer of Minis Records was the construction of models of mining machinery and mines. We much desire to see an extension in this direction, since it is especially important that the British miner should have some means for studying the various forms of machinery and of tools which are used in foreign mining districts. It is only in a great national establishment, like the Museum or Phactical Geology, and the Govern.

MENT School of Mines, that this idea can be perfected. The commencement in this direction was so excellent in idea, and so complete in its progress. The more important models now exhibited are the following:—

Tamon's Englishment at the United Mines.

progress. The more important models now exhibited are the following:

TAYLOR'S ESGINE AT THE UNITED MINES.

DARLINGTON'S HYDRAULIC ENGINE AT THE ALFORT MINES.

A SECTIONAL MODEL OF DOLLOWING AT THE ALFORT MINES.

A SECTIONAL MODEL OF DOLLOWING SURFACE MACHINERY AND UNDERGROUND WORKINGS VARIOUS ORE-DRESSING MACHINES.

A NOBEL OF DRESSING MACHINES.

A WODEL OF THE STANFING-ENGINE AT CARN BREA.

A MODEL OF THE STANFING-ENGINE AT CARN BREA.

A MODEL OF THE STANFING-ENGINE AT CARN BREA.

WALER-WHERES AT DEVON GREAT CONSOLS MINES, AND AT HUEL FRIENDSHIF.

Besides these, there are many models illustrative of the several geological phenomena of our metalliferous formations and coal deposits; also a good collection of the tools used by the British miners in the different mining districts of this kingdom, and those employed by the miners of Mexico, of Saxony, and of the Ural Mountains.

From the publication of mineral statistics from time to time, which have been regularly noticed in the MINING JULENAL, our readers are aware that collecting statistical information has formed an important section of the duties of this office. Not merely is the present annual produce of our tin, copper, and lead mines carefully collected and registered, but we find that the MINING RECORD OFFICE contains recorded statistical information of 309 British mines, principally tin and copper, ranging over the half of of 390 British mines, principally tin and copper, ranging over the half of the century which has passed. Arrangements have been made for com-prehending all the lead mines of the United Kingdom, and much progress has been made in completing plans for the record in a similar way. has been made in completing plans for the record, in a similar manner, of the produce of all the coal and iron-producing districts of the country. It is in the highest degree satisfactory to know that a great number of the largest mine proprietors, coalowners, ironmasters, and smelters, have pro-mised to furnish regularly important information of the progress of their

espective industries.

We find also that great pains are taken to collect, either by purchase We find also that great pains are taken to collect, either by purchase or otherwise, all published documents, and such as are circulated in the commercial world, which in any way relate to mining operations, or the trades in metals or coals. The collection of Ticketing Papers and of Engine Reports is believed to be the most complete of any preserved. These cannot fail to be of great value in the history of our mining progress. In the above statement, we have shown all the leading features of an establishment, which must prove of considerable importance to such great mineral-producing countries as Great Britain and Ireland, with their colonial dependencies. Much, it will be seen, has been done, but there must be a great extension in each of the directions indicated, and a large amount of personal labour bestowed, to render the MINING RECORD OFFICE of its full value to the nation.

full value to the nation.

It must be borne in mind that all the plans and sections of mines which are collected have been obtained by the voluntary permission of the mine owners—those of abandoned mines being, in many cases, the gifts of the adventurers, who have given up the mining operations in which they were engaged. Information connected with some districts, which were at one period the very centres of mining industry, has thus been secured, and will be preserved for the benefit of such companies or capitalists as may at some future period re-open, and pursue a yet more extensive search in, those once most productive mines.

those once most productive mines.

The Keeper of Mining Records informs us that, during 1855, more than 200 documents have been added to the collection under his care, and that, if more extended means had been placed at his disposal, he could, withif more extended means had been placed at his disposal, he could, without difficulty, have doubled the number. This satisfactorily proves that
there is a healthy feeling throughout our mining community, upon which
we may rely for a correct and full record of mining operations. Some
persons, seeing themselves the great necessity of securing perfect records,
have, fearing that the feeling was not equally general, advocated an appeal to our Legislative Assembly, for an Act of Parliament compelling
every set of mine adventurers to deposit, when any mine in which they
were engaged was abandoned, the working plans of such mines in some
public office.

There are very few cases in which this will not be done voluntarily.

There are very few cases in which this will not be done voluntarily, now that the existence of a MINING RECORD OFFICE is known; and, with a proper amount of activity on the part of those employed, and a sufficiently liberal expenditure on the part of the Government, we believe all the information desired might be collected. There are not a few of our mining undertakings which are carried on in a careless manner, without any plans or sections, and an imperfect system of dialling. In such cases, it would be of much value if, previously to the abandonment of such

THE IRON AND METAL TRADES OF SOUTH STAFFORDSHIRE. [PROM OUR CORRESPONDENT IN BIRMINGHAM.]

DEC. 27 .- The preliminary meeting of the iron and coalmasters held to day, at the hotel, Dudley, is the main feature of the trade this week, and although it does not reveal more than has already appeared, nor effect any alteration, it is, novertheless, of considerable importance, as tending to remove all doubt upon a point upon which some parties seemed disposed to raise one. I allude to the question of price. That was settled to-day; and as I ventured to say in my forner notice, it would be by a resolution declaratory of the inexpediency of any alteration of the quotations of last quarter—namely, M. for bars, 10f. for hoops, and 11f. per ton for sheets. Notwith-standing the unfavourable sate of the weather, the meeting was well attended, and the reports from all parts of the district so far favourable as to preclude the possibility of anything in the shape of a reduction being acceded to, if any should be proposed. Of this, however, nothing was to be apprehended, the tendency amongst the leading houses evidently being to advance; but this was also deemed neither practicable nor prudent, and it was wisely resolved not to make any change. The demand for pig-iron is brisk, and 4f. 10s, paid without hesitation. For bars and sheets there are also some large orders on the books, and everything seems to indicate a satisfactory termination to one of the most eventful years we have had of late in connection with the iron trade of South Staffordshire. For many who commenced the year with large prospects, based on fallacious grounds, it has certainly been an unfortunate period. It is not too much, perhaps, to say, that 1,000,000l, worth of property has changed hands, under circumstances involving serious consequences to Jumerous families and trading connections, and disclosing a system of raffic, which much always have been attended with misery to those engaged in it, and prove a drawback Ropo prices, because of the necessity to sell at any sacrifice. Another, and much more important result, however, followed the dis-asters. It well nigh exhibited all that was "10tten in the state of Denmark," and sho otel, Dudley, is the main feature of the trade this week, and although it does not reveal more than has already appeared, nor effect any alteration, it is, novertheless of considerable importance, as tending to remove all doubt upon a point upon which

trade. Rumours, however, of good orders for the new year have already found their way amongst the people, and have contributed not a little to the general gaiety whele prevails all around us.

To-morrow, an important work will be commenced in this district, and to which I have herefolore directed your attention. I allude to the new canal and tunnel, and other works of considerable magnitude, about to be carried on by the Birmingham Canal proprietary. During the last sersion, an Act of Parliament was obtained, authorising the above works; and to-morrow, Lord Ward will cut the first sod of the new canal and tunnel in a field at Oakum, adjoining the turnpike-road leading from Dudley to Portway. He will be attended by about 100 of the principal iron-masters of the district, all of whom feel deeply interested in the completion of the work, and at whose urgent request the Canal Company were induced to go to Parliament for their bill. It is calculated that the new canal and tunnel will open an immense mining country, hitherto comparatively scaled up for want of means of transit. The canal to be commenced to-morrow will take its start in the parish of Rowley Regis, Staffordshire, by a junction with the present canal of the company on the Birmingham level, ator near Dudley Port, and terminating in the parish of Dudley, Worself and the company at or near Cookey Bridge, near Bumble Hole toligate. The tunnel will be a double one, and it is estimated that, when completed, the advantage to Birmingham alone will not be less than a permanent reduction of from 1s, to 1s, 6d, per ton upon coal for many years to come. The undertaking was vigorously opposed by Lord Ward's agents during the passing of the bill; but, the battle once over, all hostility ceased, and his lordship has kindly consented to inaugurate the work to-morrow. Alfert the ceremony, the event will be celebrated by a dinner at the Dudley Hotel, at which, no doubt, the principal gentlemen of the district will be present and to fire amount of presents in the stock, o

IRON AND COAL TRADES OF YORKSHIRE AND DERBYSHIRE.

DEC. 27.—Although the present period is generally considered a dull season of the year, there is ample proof of the satisfactory condition of the trade of this district, notwithstanding the high rate of interest. There is not the usual amount of anxiety manifested at the present time as to the determination of the ironmasters, at the preliminary meeting held this day, from the prevalence of a belief that the aspect of affairs will not warrant any alteration in prices. The reasons urged against any alteration are—the high rate of interest, and the fear of creating an agitation amongst the men for an advance of wages. We believe prices will be declared as follows:—Bars, 98.; hoops, 104.; and sheets, 114. per ton. A considerable degree of inconvenience being occasioned by the suspension of shipments, but the enquiry for manufactured iron in both these counties is good, and this is particularly the case in Yorkshire several large houses having heavy contracts on hand. The Low Moor Company continue to be extensively employed in the manufacture of munitions of war, for which have been made during several months past. This company have just entired a loss by the defaleations of their Sheffield agent, Mr. Joseph Parker, formerly manager for Mesers. Dawes, of the Milton Iron-Works. Mr. Parker, up to the law week, enjoyed the fullest confidence of his employers; and was apprehended in Liverpool, on Friday night last, by a detective officer. On Tuesday week, Mr. J. Wilkinson, the chief agent of the company, caused an investigation of Mr. Parker's accounts, when he was found to be between 4004, and 5004, deficient. Mr. Parker's income from the company averaged 4504, per year.

The Iron Trade is remarkably free from speculation, and little underselling. The advices from America, by the Atlantic, are very favourable, the stocks of iron being lower, and probabilities of a large cotton crop sfording ground for anticipating a good trade with the States for the ensuing spr.ag. The pig-iron market has improved, and good hot-blast mine pigs are quoted at 4t. 10s. At present, tron is being lower, and good hot-blast mine pigs are quoted at 4t. 10s. At present, tron is being lower, and good hot-blast mine pigs are quoted at 4t. 10s. At present, tron is being lower, and of Staveley Works, has several large contracts, once of which is for everal miles of iron pipin ecting held this day, from the preaffairs will not warrant any alteration in prices. The reasons urged against any altera-

making

have reached the Wharncliffe bed of coal, at 170 yards depth; and the production from this district will, in a rice weeks, he materially increased. Prices continue the same, and so loss as the marketic art all well supplied as all peace mill we do well and the same.

and so long as the markets are as well supplied as an possini, we so not, anticipate any change.

Albertance devices of the American money market, and the profile yield of cotion, are giving confidence to the manufacturers of size if and cuttery, but no very great improvement is expected utill the spring orders are received.

The bankruptey cause of Masers. Arintage, Barber, and Frankish, of Sheffield, was concluded in the Sheffield Court on Saturday, when the Commissioner awarded the bankrupts second-class certificates only, on the ground that they had been guilty of imprudence in the erection of extensive works, at a cost of 23,00%, and the system on which they conducted their business.

The different commarkers are now arranging the rules under the new Ast, and we

on which they conducted their business, at a cost of 23,00%, and the system on which they conducted their business.

The different coalmasters are now arranging the rules under the new Act, and we are glad to find that they have forbidden the contractors and sub-contractors from paying the men at public-houses. This is a great evil, and has been productive of an immense amount of mischief. The districts of the new Inspectors of Mines, appointed under the recent Act, have been apportioned: Mr. Morton is confined to Yorkshire; and Mr. Hedley, of Bristol, takes Derbyshire, Leicestershire, and Warwickshire, and is to reside at Derby.

The year will close with cheerful prospects and hope for the future. The earlier part of the present week has been devoted to the festivities of Christmas, and in most iron-works and collieries business was suspended.

STOCK, MINING, AND RAILWAY SHARES IN IRELAND.

[FROM OUR CORRESPONDENT IN DUBLIN.]

DEC. 27.—The past week presented no new feature in the stock market—peace ru-nours counteracted the downward tendency of the market, so that prices were well mours counteracted the downward tendency of the market, so that prices were well maintained, though business was not so active as in the previous week. Banking and railway shares were a little better, while mining shares were fiat—those of the Mining Company of Ireland, on account of some unfavourable rumours, fell fully 11, per share. The meeting of this company will be held on Thursday, and it is thought that a good report will be presented, but it is believed that adividend of 10 per cent, only will be declared, and this caused the fall in price. Railway shares were active, particularly the Waterford and Limerick, which rose in value from 20% to 23%, nearly 31, per share. National Bank shares were in good demand, and advanced 38. It may not be generally known that this banking company is the only one which will be allowed be have establishments in England, Ireland, and Scotland at the same time. The following are the latest quotations:—Comole, 88%; New 3 per Cent., 88%; National Bank, 32½; City of Dublin Steam, 59; Consumers' Gas Company, 7%; Mining Company of Ireland, 13%; Wicklow Copper Mine, 27; Delfast Junction Railway, 41; Dublin and Wicklow, 5½; Great Southern and Western, 31%; Killarny Junction, ex div; 8; Midland Great Western, 48%; Waterford and Kilkenny 3%; Waterford and Limerick, 23%. I cannot but feet obliged to your correspondent, Mr. McAdam, for correcting my remarks relative to the discovery of the Permian rocks, in Tyrone, may only wish being to give your readers correct information. Mr. McAdam will be good enough to observe that I quoted from a northern journal (Baneer of Utster), and, consequently, I could not seem to wish to detract from the credit due to Prof. King, who appears to be the party to whom the credit discovery is due, and to him I gladly accord that merit to which he is entitled. I have seen the letter of Mr. Lisabé on this subject, and must say I was not aware, till I saw his letter, that borings for coals had been made at Holywood in 1824, though magnesian limestone was know maintained, though business was not so active as in the previous week. Banking and

through the centre of Tyrone, lying to the south of Omagh. As Mr. Lisabé has been an early explorer in that part of the country, your correspondent will feel greatly obliged by any communications which that gentleman may favour him with on this interesting subject.

The report of the meeting of the Lackamore Mining Company, which appeared in your last Journal, has surprised us not a little; and it is now seen that, however good may have been the prospects indicated by the appearance at the mine, it is utterly impossible that there could be any result other than the one which has come to pass. The Lackamore Mine was long since profitably worked by parties who extracted inmense quantities of ore from the surface levels; and when they had abandoned it, it came into the possession of the General Mining Company; and I find that company expended on its working 66741 between the years 1846 and 1853, the ore sold during that period realising 58851. The company sold the mine in 1853, as its profitable working would require too much outlay; and, in order that the deep levels might be profitably worked upon, a new company was formed to work this mine alone on a large scale, and with sufficient capital for its development. Such was the purpert of what was stated in the prospectus, on which document I shall now take the liberty of offering a few remarks.

The second paragraph runs thus:—"The extensive local knowledge the promoters of this company possess, and the circumstance of these practical men embarking largely in the undertaking gives the best guarantee of its legitimacy and vecess." A great deal is comprehended in the above little extract; for we find that the extensive local knowledge referred to is divided with Mr. Larchin, chairman of the directions of the renowned Royal Hiberian Mining Company, and Messrs. Browne and Long, so well known to the Master of the Rolls in Ireland, and alluded to in suffectionate terms by him, in his late judgment in re Mizon Had Company, ** **

The second part of the foregoing extract

THE METAL TRADES AND INDUSTRIAL PROGRESS ON THE CONTINENT.

[FROM OUR PARIS CORRESPONDENT.]

Drc. 27.—Nothing of importance has transpired in our Metal Market since my last. At St. Dizier, although the number of orders on hand for present delivery is last. At St. Dizier, although the number of orders on hand for present delivery is small, the constant arrival of commands for forward delivery gives a large amount of animation in the usines. M. T. Fabas, in the last number of E-ladustrie, sets forth the advantages to be derived by the Compagnie Generale des Omnibus de Londre, which has recently been brought under the notice of the Parisian and London public, and very extensively advertised; but the feeling prevailing here is that the chief object of the company is to benefit the promoters. In the first place, the names of the gerants lead many to suppose that it is a London company, availing themselves of French law; whilst there can be little doubt that our laws will have scarcely any reflect on the British shareholders, and that with regard to their liability being limited, it is a complete ruse; for I would ask, how could the French law afford any protection to the English shareholders from being sued for debts contracted by Englishmen for working a company, the whole of the operations of which, except perhaps a small amount of the financial business, are carried on in London. It is true some proportion of the capita; will be subscribed in France, but I consider that fact increases rather than diminishes the responsibility of the English; for, in proportion as the amount of capital subscribed in Paris is large, so would the burden be heavy on shareholders in England, as there is no English law to protect them, or to compel their French partners to take part of their liabilities.

At Charlered, the price of irou is firmly maintained, and great activity prevails in the various laminoirs and manufactories. The greater part of the production being engaged for several months of 1856, the metallurgical Industry of the district must be considered to close the present year favourably, and augurs well for the coming one. The domand for coal is excellent. Ores are very high, but sellers find no difficulty in doing business.

M. Hadon, ainé, has been nominated Courti

-The following statement, dated Dec. 24, has been THE IRON TRADE.—The following statement, dated Dec. 24, has been forwarded to us from Glagow, by Mr. Thomas Edington, showing the principal orders for eastings, machinery, rails, &c., as ascertained by him to be in the from markets of Great Britain and Ireland :—I. New orders: Very few new contracts have appeared during the past week. The only once worth noticing are, four miles of water pipes for Searborough, one pumping engine of 60 to 70 horse-power for Gloucestrerbire, 100 earth wagons, and about 100 tons of flat bottomed rails, for Gosport, Hants.—II. Remarks: We are glad to remark the ironfoundry trade of Glazgow has of late years been greatly increased. Old works have been extended and improved, and not a few new ones have been creeted, which have greatly added to the facilities for turning out all kinds of castings; in fact, so extensive has the trade become in this district, that were all the works in Glasgow and suburbs in full operation, not less than 4000 tons of pig-iron would be melted every week, which, compared with the statistics of but recent dates, plainly indicate with what rapid strides the trade is progressing.

IMPROVEMENTS IN SAFETY-LAMPS.—We have received a communication from Mr. John Crane, of Birmingham, who has paid much attention to improved modes of constructing the safety-lamp, not with the object of gaining profit by their manufacture and sale, but solely with the disinterested and philanthropic view of preventing explosions of fire-damp, and of urging coalmasters to do their duty to those who, by their daily toil in so dangerous an occupation, are instrumental in the raising of their fortunes. Mr. Crane has long advocated the principle that the Legislature should interfere with the working of coal mines, in order to render this laborious occuption less dangerous, and which, by the passing of the late Act, has been acknowledged a right one. As the great expense incurred in thoroughly and properly ventilating a mine often renders it but imperfectly done, it is suggested that the only next means to secure safety is the general use of the safety-lamp. The code of rules and regulations agreed upon by the coal owners of the "black country." in the Birmingham district, and submitted to the Secretary of State for approval, he does not consider sufficiently stringent, but to indefinite, and the penaltics too light; still it is satisfactory that the Staffordshire coal masters, as a body, have admitted the expediency of employing safety-lamps on some occasions. Mr. Crane's object has been to improve the illuminating powers of the lamp, and to render it more economical in price, and he has suggested no less than 12 different classes of lamps. A eviludrical lamp, with round wick, stalk, and handle, is said to be the cheapest ever made, with several obter modifications; a safety latter for burning sanifless candles, very consuming, the same of the regulation of the safety latter for burning sanifless candles, very consuming the smoker; a safety candle lamp for Falmer's patent candles, and a safety Argand lamp. Mr. Crane's connected with any one who manufactures these lamps, but will be happy to give all information and pa

The new monster steam-ship Pera, belonging to the Peninsular and Oriental Company, cost 96,000/.

GRAAT CALS TATOORQUESTOO CORNEL Wholles

SIMPLE AND EFFECTIVE MODE OF FEEDING BOILERS.

Sia.—Many years have elapsed sides my name has appeared among your coffe, spondents, and I should not now sawade were it not that I think, by so doing, the communication I make may perhaps tend to leasen the number of steam-boiler explosions. In the leading article of your Journal of the 15th inst., I see a notice of a

comminication I make may perhapstend to lessen the number of steam-boiler explosions. In the leading article of your Journal of the 15th inst., I see a notice of a valuable Association for the Prevention of Steam-Boiler Explosions; and in their report the deficiency of water was stated to be "the most frequent cause of explosions, and open stand pipes, and fashle metal pluss, are recommended as preventatives." Although so many celebrated men are members of this association, I must differ from them, as in my many years' experience I have not found that safety in Vashle plug which I had been taught to expect, and have abandoned their use, is consequence of finding that, in several instances, the internal fisce of a so-called Cornish boiler, in which lead plugs were riveted, became red-hot (from deficiency of water), without the steam escaping through the plug-hole. On examination, I found that the top part of the lead plug was oxidised, and, being covered with boiler scale, acted as a valve upon the plug-hole, sithough the lower part of the plug, and that part in the thiskness of the plate, were melted away.

I will not condomn the method recommended without suggesting another plan, which is used in some boilers in this country, and which, I think, gives great safety. It consists of an arrangement by which high or low pressure boilers may be fed, and the water kept always at the proper level, without the aid of a force-pump. This plan so simplifies the engine, and insures such regularity of feed, that I will venture a description, trusting that its merits will be appreciated. The largest boiler to which I have seen it applied is for a high-pressure blast-engine, and is about 90 feet long and 6 feet diameter across. Over this boiler is placed a short boiler, or reservoir, about 12 feet long and 6 feet diameters. This is connected with a feed-tube passing from the bottom of the upper boiler, which should had five or six hours' supply, with a water-reservoir above its level. The modus operandi is thus—Shut the two c

RAILWAYS IN CORNWALL-WEST CORNWALL RAILWAY.

Sir,-In the year 1834 an Act of Parliament was obtained by a company, under the style of "The Hayle Railway Company," for constructing a railway called the Hayle R illway, being a line of railway from Hayle to Redruth and the Tresavean Minc, in

style of "The Hayle Railway Company," for constructing a railway called the Hayle Ruilway, being a line of railway from Hayle to Redruth and the Tresavean Mine, in Gwennap, with a branch from Carn Brea to Portreath, another branch from Cook's Kitchen to East Wheal Crofty, and another branch from Stray Park to North Roskear Mine. The length of the trunk line is about 12 miles; of the branch to North Roskear, X: making a total of about 16½ miles.

This line was worked by locomotives, from its commencement, for merchandise only, till May or June, 1843, when Mr. Crotch, of Hayle, had pormission to attach a passenger carriage to the train to and from Hayle and Redruth, he paying the company a rent for so doing. After a while, the company conceiving that it would be to their benefit to take the passenger traffic as well as the goods under their control, Mr. Grotch soon relinquished his connection therewith. After a few weeks a second carriage was put on, called the second-class carriage, and, still later, a first-class carriage. These carriages, as I said, went from Hayle to Redruth and back. At layle an omnibus attended to take passengers to Penzance; and at Redruth omnibusses attended to carry passengers to Penzance; and at Redruth omnibusses attended to carry passengers to Truro and Falmouth. Thus matters went on till the West Cornwall Railway was opened, first to Penzance; and afterwards Truro. In the year 1846 a mania of unprecedented severity seized the British mind, but it was surpassed by that of 1845. It the former year the London and South-Western Railway was in course of construction; and amongst other projects of a reasonable obstacted was that of a railway from the South-West line at Basingstoke to Falmouth, to be called the "London and Falmouth Eatlway." The shares were eagerly easies, the construction; and amongst other projects of a reasonable obstacle with the work of the fully and the projects of a reasonable obstacle with the work of the fully and the projects of a reliable project of the fully rel

EXTRACTION OF GOLD FROM ITS ORES BY ELECTRICITY

Sir.,—On reading your Journal of last week, I find we have a new candidate for gold quartz, in the person of Mr. W. Radley, Ch. E. I simply state, for his informa gold quarts, in the person of Mr. W. Radicy, Ch. E. I simply state, for his information, that my discovery for facilitating the extraction of gold by electricity was long prior to 1850, although I have never worked the process on a large scale since that period. I should also be glad to try 5 cwts, or 5 tons of the Chancellorsville quarts; and I do not require the are crushed, as I operate upon it in the state it is broken from the mine; but I cannot, like Mr. Radicy, double or triple the yield at pleasure; my results are more uniform and steady, under any treatment. From the samples that have already come under my notice from the Chancellorsville Mine, I should not class its ores amongst those of low produce.

Assay-office, Savoy, Dec. 26.

GREAT CRINNIS MINE, AND ITS MANAGEMENT.

GREAT CRINNIS MINE, AND ITS MANAGEMENT.

Sir.—As you have given place in your columns to Mr. Cobbett's letter to me, of the 19th inst., may I beg the favour of your inserting my reply.

Tregrehan, St. Austell, Cornwall, Dec. 27. T. T. S. Caltvon, Maj, 3d Drag, Gdz.

Sir.—In writing to the Mining Journal last week, I had no intention of bringing myself into individual controversy, but simply wished to apprise the adventurers that the present system of working Great Crimis does not meet with my approval, as alleged by Mr. England. I might be content with now stating that your letter has not altered my opinion; but as you charged me with ourgacious conduct, when I could have no object beyond the interest of the adventurers, I beg to add some further remarks. With regard to your assumption, that landowners in general are under obligation to any adventurers who may contract to work their ground, this position is particularly unfortunate in the case of Crimis, inasmuch as my father repeatedly refused to grant this sett, among others, to so good a miner as the late Mr. Treffry: and shortly after he had been ultimately prevailed not to grant this present sett, a consideration of the adventurers whether they like to invest in locomotive engines to work a mine; but as to the drainage and general management, it is not, as you state, a mere question of eguind. This is a question of legal covenant, embodied in the lease; and as the mine has neither been sunk or drained since (2apt. Webb was dismissed, two years and a half ago, it cannot be said to have been worked in the most effectual manner. So far from easting any reflection upon Capt. Woolcock, of whose ability I entirely concur in your estimate, I only regret that more agents of his calibre are not now employed. I have only to add, that if the adventurers should continue to think me ungracious in mooting these points, I shall be content to let them shift for themselves, especially as I have no inclination to be involved in further correspondence. With best wishes for t

THE GREAT CRINNIS LOCOMOTIVE.

THE GREAT CRIANIS LOCCOMOTIVE.

Sin,—In the letter inserted by Mr. Cobbett in your last week's Journal, he states that the locomotive employed at Great Crimis Mine, in drawing and crushing, has been "working at a less cost considerably than the same work could have been performed by any of the engines usually employed in Cornwall." As this assertion implies that the locomotive is superior to the Cornish engine in its economical results, and as I am unwilling to allow it to pass as a fact without proof, I beg to ask Mr. Cobbett to furnish your Journal with the data by which he determined his conclusion. This will be comparatively easy, since it will involve nothing more than to transfer to your own columns a copy of his calculations.

In some special instances, for effecting preluminary trials, or for commanding an object affected by necessing eigenstances, the portable engine may be a product.

to your own columns a copy of his calculations.

In some special instances, for effecting preliminary trials, or for commanding an object affected by peculiar circumstances, the portable engine may be a prudent auxiliary in mining; but, for all stationary purposes, the Cornish engine, with its measured expansion of ateam, perfect condensation, slow combustion, long boliers, return flues, olothed steam-pipes and cylinder, must have a pre-eminence in effecting a given result for a given cost over the duty rendered by the locomotive. If this processing the control of the committee of of the control of the committee of the co

CONDENSED MINING REPORTS.

From Pediated Wishess Capit M Phillips reports that the lode in the 130 cast is 2 feet wide, yielding from 1 to 2 tons of ore per fathom; the 115 fathom lines week as 3 feet, wide, yielding fall 3 tons per fathous, and the stopps in back of same level worth, 5 tons per fathous.

From Broutheyd, Captain Jones writes—Engine-shafts: The lode in the shaft still contains good ore, the richest being on the south-west side, but improves on the north. We have not seen either wall of the lode, but I fully expect to have a large body of ore when we gain the south wall.

From Brynford Hall Mine, Captain W. Francis (Dec. 27) reports—We have a fair quantity of ore in the plat, which we are working with four men. We shall have 20 tons prepared for next sale.

From Camborne Consols, Capt. W. Roberts reports the lode in the 20 west as 15 ft. wide, producing good stones of ore.

shall have 20 tons prepared for next sale.

From Camborne Consols, Capt. W. Roborts reports the lode in the 20 west as 1½ ft. wide, producing good stones of ore.

From Cubert United, Capt. J. Trewen reports—The lode at Trebellan is 2½ ft. wide, worth 12 cwts. of lead per fm., with an improving appearance. The lode in the 65 cod north is 18 in. wide, worth 7 cwts. of lead per fm. The stopes in the back of this level are worth 4 cwts. of lead. The stopes south of the shaft, in the back of this level, are worth 3 cwts, per fm. The stopes in the back of the shaft, in the back of this level, are worth 3 cwts, per fm. The stopes in the back of the 66 are worth 2 cwts. of lead. The stopes south of the shaft, in the back of the shaft, in the back of the shaft, in the back of the 10 cwts. Of lead per fm. The lode in the 5c end is worth 4 cwts. per fm.

From Cac-Cynon Mine, Capt. E. Stedman reports that the stopes over the 20, west of enginc-shaft, show signs of a course of ore a fcw fathoms westward, as the lode seems to have been divided by bunches, but melines again in that direction.

From Esgair Mwyn, Capts. S. Vial and J. Paull report that in the stope in the back of the 25, east of Morris's rise, the lode is rather poor, producing about 8 cwts, per fm. In the stope in the bottom of the 20, west of Harris's win.cc, the lode is producing 16 cwts, per fm. In the western stope, back of same level, the lode is worth 12 cwts, per fm. In the western stope, back of same level, the lode is worth 12 cwts, per fm. In the western stope, back of same level, the lode is worth 12 cwts, per fm. In the western stope, back of same level, the lode is producing 8 cwts, per fm.

From East Frongoch Mine, Capt. Thomas Pasco reports the partial cessation of operations, in consequence of severity of weather. After having the water in fork they could only work two days, when favourable progress was made. From East Feolow the 20, and unless some unforescen event has since intevency, which was not again at work until Monday, when favourable

so to 40 tons of lead ore.

From Leeds Town Consols, Capt. P. Pascoe hopes to sell the tin which was already stamped when the stamping engine was atopped.

From Nother Hearth, Capt. W. Jeffrey reports,—In driving the drift forchead west, we have again met with a large voin—size at present not kn: wn, composed of iron, quartz, and a little blende, worth for lead ore 1 ton per fm. The west working, in the flat, is worth for lead ore 2½ tons per fm.; the stope behind this driving is worth 2 tons per fm.; the stopes over the drift are not so good as last reported. The working on the north flat is very much improved, worth 1½ ton per fm. At the new trial there is a very great improvement. I cannot tell the time when I have seen so kindly a vein, it is about 6 ft. wide, and orey throughout.

At Great Sheba Consols, a great improvement, both in quality and quantity, has taken place. The ore at the last sampling at Truro stoot third on the list, some of which sold for 50. 19s, per ton, and amounted to 273 tons, which, with the carriage, fetched 832. 14s. 3d.; this ore is taken from above the 10 fm. level. The 3 and 60 are in course of opening, and it is expected when these and deeper levels are opened the mine will give very large and permanent dividends. The lode is 30 fm. wide, and supposed to be the Devon Consols lode.

From Great Wheal Vor, Capts, M. W. Martyn and Wm. Teague report that, driving east on the south part of the old lode, over the 106, the lode is worth 700, per fm. This is anticipated to be entire for a great distance, above and below, east of the cross-course; and if it continues as it now is, will be a most valuable discovery. At Wheal Metal, in No. 1 engine-shaft, the lode is still worth 700, per fm. The stope west of shaft, in back of this level, worth 650, per fm. The five to this position of all the underground operations is, on the whole, fully maintained.

From Herward United, Capt. Lightoller reports—Henblas workings are now fairly opened and ventilated. We have two sets of tributers working

now fairly opened and ventilated. We have two sets of triouters working, and hopeshortly to set other pitches.

From Holmbush Mines, Capt. N. Seccombe reports that the 145 cast continues to produce 2 tons of ore per fm. At the diagonal shaft, the ground is favourable for sinking, and good progress is being made.

From Kelly Bray Mine, Capts. S. James and W. Watson report that they are making good progress in driving the 103, which is producing, east and west, stones of ore. The lode in the 30 cast 1s ft. wide, yielding stones of ore, and in the west, 3 ft. wide, the Latter worth 15f. per ton. In the 80 west, the lode in the winze is worth 15f. per fathorn, whilst that in the east of same level is worth 50f. per fm. They will sample on the 28th inst. 310 tons of copper ore.

From Lydford Consols, Capt. Joseph Richards reports that the lode in Ward's winze sinking below the adit level is large, full 4 ft. wide, composed of flookan, quarts, and good spots of lead ore.

At North Basset, Capt. T. Glanville reports the lode in the 62 will yield 9 tons per fm.; in the winze sinking below the lode will produce 8 tons per fm. From North Downs Mine, Capt. J. Prince reports the lode in the rise of the 12, east of Michael's shaft, as 2½ feet wide, and looking better. In the winze sinking below the adit the lode is 18 in. wide, spotted with copper and blende, worth 6f, per fm. Notwithstanding the unfavourable state of the weather, the masons have raised the bob-wall of the engine-house to its height, and the corresponding parts, to the engine res and agents' satisfaction.

From North Wheal Robert, Capt. A. Pryor reports that the lode in the 2 west continues to yield 1 ton of ore per fm. The stopes in the back will produce about 3 tons per fm. The western stopes fully 4 tons of good quality ore per fathom. At the trial shaft, the sinking is progressing favourably.

From Pedn-an-drea United Mines, Capts. J. Delbridge and J. Carpenter report that the 68 cast, on Martin's lode, is 3½ feet wide, worth 30f. per fathom for tin-set

From Pembroke and East Crinnis, Captains J. Dale and G. T. Trewren report the satisfactory progress in the sinking of Reid's engine and whim-shafts, as also Smith's shaft. The men are busily engaged in clearing the level cast of Wheal Unity shaft, and the lode in the present end is from 8 to 10 feet wide, spatted with ore, and carrying a branch of silver ore; north wall 3 to 4 ft. wide. The pitch in the back of the level is producing copper ore, and the tributers are getting good wages. In the 122 and 134 the strata indicate probable improvements at a deeper level. From Pendeen Consols, Capts. Jas. Evans and Wm. Eddy reported that he lode in the 30, driving north, is from 3 to 4 ft. wide, composed chiefly of municit, with apots of copper ore scattered throughout; it is of a very promising character. A stone of ore from this level can be seen at Mr. Bawden's office, 2, Bank-chambers, the produce of which is 13 to 14 per cent. of copper.

At Perran Wheal George, Capt. R. Davies has no particular alteration to notice. The lode shows indications of improvement, and still produces excellent stones of copper ore.

notice. The lode shows indications of improvement, and said product consons of copper ore.

At Prince Albert Consols, Capt. R. Davies reports they have driven the At France Albert Consols, Capt. R. Davies reports they have driven the cross-cut about 8 ins.

From Round Hill Mine, Capt. John Kneebone (Dec. 26) reports—The lode in the 39 in. level, driving south of the new engine-shaft, is 4 ft. wide, and will yield about 2 tons of lead ore per fin. The lode in the 29 fm. level, driving south of the new engine-shaft, is 18 inches wide, producing a little lead ore, but not sufficient to value.

the new engine-shaft, is 18 inches wide, producing a little lead ore, but not sufficient to value.

At Severn Mines, Capt. John Reynolds reports that the eastern stope in the deep adit is producing rich copper ore, worth 8t. per fm. The western stope, in the deep adit, is worth 4t. per fathom.

From Sortridge Consols, Capt. Metherell (Dec. 27) reports—The 30 fm. level end cast is as last reported, worth 7 tons per fm. The pitches are as good as ever. Our grinder was put to work last Saturday, which answers well. All other things are progressing to our satisfaction.

From South Crenver Mine, Capts. J. Delbridge and E. Chegwin report that in the 80 fm. level, evet of flat-rod shaft, the lode is 1½ foot wide, yielding it shaft, the lode is 1½ foot wide, producing 1½ ton per fathom. The end is now in the granite country, and improves in appearance. In the 51 fm. level, east of Gore's shaft, the lode is from 1½ to 2 feet wide, worth 1 ton of ere per fathom. The lode in the winze sinking below the 51 fm. level, east of Gore's shaft, is 2½ feet wide, yielding from 1½ to 2 tons of good ore. This lode being over the point in the 64, from which good produce was obtained, is likely to yield a large amount of ore. They are rising below this winze in favourable ground, and on a kindly looking lode, and when out through they expect to lay open good tribute ground.

From South Bedford Consols, Captain James Phillips, jun., reports that the lode in the 49 fathom level, west of Red Whim shaft, is 2 ft. wide, worth from 2 tons to 3 tons of ore per fathom.

From South Carn Brea. Capt. T. Glanville reports they have bored in the bottom of the engine-shaft to within 2 feet of deep adit, and hope to make the communication on Monday.

From South Veal Tolgus, the agent (Dec. 22) writes:—No lode has

the bottom of the engine-shalt to within 2 feet of deep adir, and hope to make the communication on Monday.

From South Wheal Tolgus, the agent (Dec. 22) writes:—No lode has been taken down in Michell's engine-shalt since last reported. The ground in the cross-out driving north from the south lode, towards Youran's lode, west from Michell's, is still hard, and spare for driving. The lode in the 90, east from Michell's, is 15 in. wide, producing ½ ton of ore per fathom. The lode in the winze sinking below the 78 west, en the south lode, is 1 foot wide, unproductive. We have holed the rise in the back of the 73 west, on Yource's lode, to the 66 fm. level; we shall commence driving the 73 west in a few days. No lode has been taken down in fice rise in the back of the 54 east, on the south lode, since last reported. The lode in the 66 fm. level, driving east on the north lode, is 25 feet wide, producing a little ore, and has a kindly appearance. The lode in the winze sinking under the 22 fm. level, on the new south lode, is 29 in. wide, containing spots of ore and much mundic, and has a very promising appearance. The lode at Moreon's engine-shaft has not been taken down in the past week, nor in the rise in the back of the 32, west from Moreon's. The lode in the 32, driving east, is 25 feet wide, and is producing over 1 ton of ore per fathom. The lode in the rise in the back of the 20 cast is 25 feet wide, producing good stones of ore.

From Tincroft Mines, Capts. W. Teague, J. Andrews, and J. Trewhela

From Tincroft Mines, Capts. W. Teague, J. Andrews, and J. Trewhela From Pineroll Mines, Capts. W. League, J. Andrews, and J. Frews report—At North Tincroft, in the 130 west, the lode is 2 feet wide, producing 1 per fathom; in the 130 east the lode is 3 feet wide, yielding 2 tons per fathom. It is winter with the lode is 4 feet wide, yielding 2 tons per fathom. The rise in the back of the 90, cast from Willoughby's shaft, is worth 201, per fath At Highburow lode, in the 162, driving east from shaft, the lode is 4 feet wide, worth for tin 121, per fathom; the 162 west, 4 feet wide, and worth for tin 301. In thom; the 152 east, 2½ feet wide, and worth for tin and copper 101, per fathom. At Chapple's le

in the rise in the back of the 120 cost, the back is worst 221, per fatheau for copper ore; the vinking under the [10, worth for tin and copper 12]. Der fathom. Good results are as pested from the fathe in the back of the 120, at the winking they's shale; theorem the fatheau are as pested from the fatheau of the model of the 120 control the fatheau of the model of the 120 control the fatheau of the model of the 120 control the fatheau of the model of the 120 control the control of the 120 control the 120

From West Par Consols, Capt. T. Floyd reports that they have a little improvement in the lode.

From West Polberro, Capt. T. Julian reports that in the winze sinking sast of engine-shafts, the lode is 2 feet wide, producing rich stones of ore, varying from 1 to 20 lbs, in weight, which improves as they godown. In the west end, driving north of Callow, the mundic lode is still rich, and about 15 in. wide. There is a good bunch of ore in the back, stoping west of cross-course, in Callow lode. In the stopes improvements have taken place, and they are producing stones of copper and tin. They are preparing to sample a parcel of ore.

From West Sortridge Consols, Capt. Joseph Richards reports that, in the cross-cut north of the 10, the supposed north tin lode has been met with, and is a strong, kindly lode.

At West Wheal Carpenter, Capt. John Key reports that the adit end is driven east on the course of the lode about 25 fathoms. The south part is a beautiful gossam, carrying by the side a regular leader, composed of flookan, sugary spar, mundic, and prian. The branch is from 15 to 18 inches wide.

From Wheal Arthur, Capt. T. Carpenter reports that a pitch in back of adit is turning out 2 tons per fm. Joryreff's stope, in the back of adit, is yielding 2 tons per fm. The 20 cast, above adit, is yielding good work. They will not be able to sample so much tin as expected, as the stamps are partially idle, owing to there being insufficient water at surface.

From Wheal Argar, Captain W. Roberts expects, on Wednesday, to

From Wheal Agar, Captain W. Roberts expects, on Wednesday, to

From Wheal Agar, Captain W. Roberts expects, on Wealesday, to sample 49 tons of ore.

From Wheal Crebor, Capt, W. Doble reports that little had been done, on account of the holidays. The engine-shaft is still sinking in favourable ground. From Wheal Frank Mills, Captain J. P. Nichols reports—They have not yet out the lode in the 45, which must have borne back or split it; the ground is easier for driving, looking more kindly, and full of spote and strings of lead, so that they intend continuing the cross-cut. The lode in the shaft, at north end, is looking spleudid. In the 45 south little has been done, but the lode is better in the end.

From Wheal Grenville, Captain G. R. Odgers reports no important improvements.

Improvements.

From Wheal Guskus, Capt. George Francis reports that the 70 fm. level,

From Wheal Guskus, Capt. George Francis reports that the 70 fm. level, on Guskus lede, west of engine-shaft, continues to improve. The lode in the winze is worth 30/ per fathom.

From Wheal Langford, Capt. W. Knott reports the cutting of a shaft plat in the 35, and the engine-shaft is sunk 3½ ft. below the level. In the back of which are worth 40/, per fon. The 28 cal cast has yielded 4 cwt. of silver losel, 40 cwt. of which are worth 40/, per fon. The 28 cal cast has yielded 4 cwt. of silver losel, 40 cwt. of which are worth 40/, per fon. The 28 cal cast has yielded 4 cwt. of silver losel, 40 cwt. of which are worth 40/, per fon. The 28 cal cast has yielded 4 cwt. of silver losel, 40 cwt. of which are worth 40/, per fon. The 28 cal cast has yielded 4 cwt. of silver can and as they get under the ore ground wrought out in back of the 20, further improvements are anticipated. They have 35 tons of capper ore for sampling on the 27th inst., and 5 tons of allwer lead on the mine, which they think should be delayed, that the yield of rich ore from the stepes may be sold at the same time.

From Whoal Maudlin, we have Capt. Tregay's report. The operations are progressing satisfactorily, but no material change has taken place in the mine.

From Whoal Russoll, Capt. A. Barratt reports that they continue to rise above the 48 against Hitchins's shaft. The ground had much the same appearance.

From Whoal Tchidy, Capt. D. Lanksbury reports the lode in the 80 as worth 14/, ton per fm; the 70, 1 ton per fm; and the 50 cast, on caunter lode, as 15 inches wide, composed of mundie, spar, and ove. They have commenced driving on the 40 west, and the lode is 1½ ft. wide, with a kindly appearance.

From Wheal Trolawny, Capts. W. Jenkin and W. Bryant report,—

Smith's engine-shaft is sank 3½ fathoms under the 120 fathom level. The cross-cut at the 120 fm. level is extended 12 fms. towards the lode. In the 108, north of Smith's chall, the lode is 2 ft. wide, worth 10/, per fm.

In the 93 south end of the side of the 10/, the south end

INSTITUTION OF CIVIL ENGINEERS.—The following gentlemen have been elected to fill the several offices in the Council for the ensuing year:—Robert Stephenson, M.F., President; G. P. Bidder, I. K. Brunel, J. Hawkshaw, and J. Locke, M. P., Vice-Presidents; W. G. Armstrong, J. E. Errington, J. Fowler, C. H. Gregory, F. Hawksley, J. R. McClean, J. Fenn, J. S. Russell, J. Whitworth, and N. Wood, Members; and W. Piper, and G. F. White, A-sociates. The first paper to be read, on Jan, 2, will be "On the Causes of the Explosions in Steam Bollers," by Mr. R. K. Hall.

PROGESS OF THE REDUCTION OF ALUMINIUM.—In a locture recently delivered by Dr. Griffin, in the hall of the Bristol Athenxum, "On the Properties of Aluminium, and the Newest Discoveries respecting that Metal," several most interesting facts were clicited. Alumina, or clay, when nearly pure, contained on an average 20 per cent. of the metal; and the various processes were fully described of converting this into alum, or sulphate of alumina, and afterwards the extraction of aluminium from alum. M. St. Claire Deville, Professor of Chemistry at the Ecole Normale, at Paris, had been most successful in his experiments. By a modification of Davy and Wobber's methods, he had succeeded in producing the metal in considerable quantities; he cast saveral ingots, and had a modal struck, which he presented to the Emperor, who authorised further investigation on a large scale, at the expense of the Freaury. In addition to the appearance and properties of this metal, as described by us in former Journals, we may now state that it is a white metal, susceptible of a high polith, but has a elight shade of blue, like zinc. From this circumstance, it is not likely to supersede eiteer generally, but would make capital egg and mustard spoons, as it is not affected by sulphuretted compounds. It is nearly as hard as iron, but can be softened by amnealing; it possesses great rigidity and tenacity and, when broken, shows a fine-grained fracture, like steel. A cup, or other article, made of it, although quite thin, may be let fall on a stone pavement without indentation. It can be drawn into wire as fine as a hair, and be rolled into extremely thin sheets. Some of the alloys of aluminium were expected, when better known, to be of great importance in the arts. By igniting a mixture of chorded of aluminium, lime, and iron filings, an alloy was obtained containing 75 parts of iron and 25 of aluminium, nearly as valuable as the latter itself. It was of a brilliant sliver white colour, extremely bard, not tarnished by exposure to dampair, or eve PROGRESS OF THE REDUCTION OF ALUMINIUM.—In a lecture recently

SALES OF COPPER ORES.

WEEKLY LIST OF WHW PATENTS COPPER ORE SOLD AT CORNWALL TICKETINGS FOR THE QUARTER 19,040 0-13,696 12 13,638 14 North Basset Wheal Buller ... 2349 United Mines 2681 13,606 0 12,618 11 South Frances..... 1392 12,222 8 1096 1502

11,529 11,271 10,075 9,838 7,709 7,401 7,124 6,681 16 6,296 16 4,883 8 4,744 14 4,639 12 4,643 9 4,465 12 4,481 19 4,465 12 4,425 14 4,382 13 4,199 11 3,257 14 3,257 17 2,584 7 2,773 17 2,586 3 2,479 19 2,380 15 2,391 9 2,391 9 2,391 9 2,391 9 1,951 17 1,951 5 1,905 17 1,951 5 1,909 12 1,959 17 760 475 756 536 787 799 688 451 641 593 557 1030 599 466 839 397 214 623 St. Day on... Tresavean Bedford United ... Holmbush Marke Valley Wheal Clafford Bottallack Perran St. George North Roskear Great Wheal Alfred Consolidated Mines Levant
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Clijah and Wentworth.
West Fowey Consols
Creegbrawa
Wheal Edward
Doleanth
Collacombe.
Wheal Enseel Wheal Russell
Wheal Cuy
Wheal Comford
Boiling Well
Pembroke and East Crinnis.
Devon Wheal Buller
Wheal Mary Great Consols. Wheal Zion..... Wheal Tehidy... Lady Bertha Wheal Carpente Wheal Carpenter ... West Crinnis Wheal Friendship... Great Onsiow Conso Great Onslow Consols
Devon and Cornwall.
Wheal Trebarvah.
Grambler and St. Aubyn.
Wheal Margery.
Tavy Consols
Feock Works Regulas eock Works Regulas... outh Bedford Wheal Busy Juke of Cornwall reloweth Wheal Vyvyan .. Trethellan Wheal Crebor St. Aubyn and Gryll's Tywarnhaile Tywarnhaile
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North Wheal Busy
Old Wheal Basset.
West Wheal Alfred
Ha wkmoor
Devon and Courtenay
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West Collacombe
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Carrack-dhu
East Wheal Vor....
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Wheal Kitty
North Wheal Unity
Providence Mines 22 Providence Mines Kenneggy North Downs Great Dowgas Pend-an-drea United Camborne Consols... Great Polgooth Wheal Langford Wheal Cupid West Stray Park West Stray Park
Truthall
East Wheal Leisure
Baikweil's Ore
Treffry's Regulus
Todd's Regulus
Wheal Caroline
Wheal Virgin
South Roskear
Nancekuke South Rosses.
Nancekuke
Wheal Parlington.
Wheal Maudlin...
Pencorse Consols
Wheal Ellen
Wheal Mary
Paynter's Ore...
Penendly... 13 12 12 2 4 1 12 40

. 51,992 £324,744 15 0 COMPANIES BY WHOM THE ABOVE WERE PURCHASED. #L15,128 19 8 40,061 0 7 26,735 11 8 39,231 10 9 2,535 14 10 36,303 14 3 78,300 7 3 21,425 19 8 26,147 12 8 16,024 6 9 22,649 17 1 Mines Royal. Vivian and So Vivian and Sons.
Freeman and Co.
P. Grenfell and Sons
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Sims, Willyams, and Co.
Williams, Foster, and Co.
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Mason and Elkington
P. Bankart.
Copper Miners' Company... 8,152. 4,725. 2,880. 3,956.

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£324,744 15 0

Paynter's Ore.... Wheal Friendly. Bawden's Ore.... Polseeth Polseeth West Trethellan Wheal Bastow Symond's Ore... East Polgooth....

British Arsenic Richard's Ore...

Total ..

CRYSTAL PALACE.—Amidst the battle of accountants and the fight of figures, it is right that the shareholders should understand one indisputable fact before the next meeting—that, though 70,0001, may enable the directors to tide over the idea of alarch, new capital (by new shares or otherwise) must before long be raised to no less an amount than 233,0001, or 233,0001.—the latter being the sum required if the 65,0001, (or rather 49,4001,) borrowed from revenue is ever repaid to it; the former amount (253,0001, if, as is most probable, it is not; thus making the cost of the paince, &e., originally stated at 400,0001, amount to a mere trifle under 1,400,0001, provided the present estimates are not exceeded.—J. H. F.

SALES OF COPPER ORES

Statement of copper ores sold at Swanses, lickelings, during the quarter, ding 31st December, 1855-1-

NIE NOISE DE BEARING ROCKS.	10 9	RACTE	AHD.	IA	gg.	GEN
of Civil Engineers, a paper, by Mesnika Hop						
dure of the Primare Rocks and the Comme	THE COME	Learney was	NAME OF THE OWNER O	april.	6	other and
Cobre d' has as all samm? and to arobe	2169	**************************************	£ 90,916	16		
Cuba Copiapo	1288 404	***********	44,363	10	0	
African	165	*******	7,785 5,636	0	6	
Chili	266	**********			0	
Santiago.		***********	5,521	11	0	
San Fernando		***********		15	6	
Namaqua	83			7	6	
Bydney		**********		13	6	
Peniusular	203	*********		8	6	
Spanish	135	**********	1,015	11	0	
Carthagena	73	*********		7	6	
Costa Rica		**********		6	0	
Cape		**********			0	
French Ore					0	
Tuscany	. 1	**********	26	1	6	
IRISH.						
Berehaven	1617	************	£ 17,229	18	0	
Knockmahon	1459			6	0	
Holyford	127		2,357	16	0	
Ballymurtagh	297	*********	888	6	0	
Coosheen	30	*********	442	10	0	
Cronebane	23			1	0	
Tygrony	5	*********	170	17	0	
South Cork Ballygahan	42		131	5	0	
Ballyganan	23	*********	94	17	6	
Connorree	50		37	10	0	
WALES, AND ELSE	WHE	RE.				
Browhead			£ 297	5	0	
North Wales	55		294	11	6	
Glasgow Ore	19		216		0	
Dyliffe	28		214	18	0	
Queen of Dart					0	
Helvellyn	. 5			10	0	
Great Northern				15	0	
P. H. O	4	*********	16	12	6	
SLAGS.						
Prench	254	***********	€ 635	14	0	
British	. 118	*********		8	0	
Rotterdam	68		157		0	
West British				10	0	
Glasgow					0	
London		***********	72	0	0	
Slaga				10	0	
Regulus		***************************************	45	2	0	
RECAPITULAT	ION.					
Foreign	8932	***************************************	£151,765	13	0	
1rish	3373	***********	34,940	6	6	
Welsh, and elsewhere	162	***********	1,390	6	0	
Siags	694	**********	1,564	4	0	
		-		-	-	4
Total	13,16		£189,660	9	6	
COMPANIES BY WHOM THE ABOV			RCHAS			
Copper Miners' Company	928		£12,088	7	0	
Freeman and Co	. 1289	***************************************		15	3	
Grenfell and Sons	. 1392	***********	20,708	10	6	
Crown Company Sims, Willyams, Nevill, and Co	145		2,185	7	0	
Vision and Sons	2514	**********		0	6	
Vivian and Sons Williams, Foster, and Co	2010			10	6	
Mines Royal Company	789		11,011	8	6	
English and Australian Company	521	************	8,591		9	
Mason and Elkington	369			12	6	
F. Bankart	. 738			17	0	
Charles Lambert	. 215	************	4,582	10	9	
	-	-	D		-	
Total	13,16	1	£189,660	9	6	
		-				
NATIONAL PROPERTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADD		ALC: UNIVERSITY OF THE PARTY OF				

Mining in Jamaica Despatch of Nov. 19, gives some interesting particulars respecting Wheal Jamaica Copper Company—an adventure in which the whole amount of capital was subscribed in the colony; and we are informed that the shares are firmly held, no dealings in them taking place in this country. He states it is a notorious fact that, whenever grey ore has been discovered, it has been invariably found to exist only in bunches, and not in continuous lodes. But the fact of a bunch of copper ore of some 60 or 90 tons having been found is no reason for arriving at the conclusion that no copper exists continuously in Jamaica, because grey ore has been found in bunches in Cornwall, and there is soarcely a copper mine in the world of any value that it is not occasionally met with. The misconception, however, to which he alitteds is, that when an actual lode of copper ore has been discovered in Jamaica of great width, and rich in metal, most person; jump to the conclusion that they will reap an abundant harvest immediately, and that the ore will be taken out at once in large quantities. Such notions and misrepresentations have tended more than anything clue to check mining enterprise in Jamaica, and to lead the British capitalist to believe that the whole thing is a delusion. A mineral lode having been discovered, it is probably more easy to get at it in Jamaica than in Cornwall, the mountainous nature of the country afford ng peculiar advantages, particularly where the lodes are found at some thousands of feet above the level of the sea. The above observations are induced in consequence of a recent visit to the Charing Cross Mine, the property of the Wheal Jamaica Copper Company. Five levels have been driven at an average length of 300 ft. each, some probably 400 ft., and 80 ft. below each other. In the course of about six weeks winces will have been completed, communicating with every level, and stoping on an extensive scale will be shortly commenced. The lode has proved continuous in every level, and increases gradua

and it is to be hoped ere many months elapse every adventurer will reap his reward.

FORT BOWEN GOLD AND SILVER MINING COMPANY.—By the Royal mail steamer leaving Southampton on Jan. 2 next, this company will send out to the mines a carefully selected staff of Cornish artizans and miners, consisting of two engineers, a blacksmith, a carpenter, and three miners, who will be accompanied also by a gentleman who will offliciate as the company's manager, Capt. Tregoning, will be much strenghened, and the whole of the machinery now at the mine will be specified brought into full operation. The Cornishmen have all been selected by Mr. Thomas Nicholls, of Tavistock. The gold dust received by the Parana at the heginning of this month, the proceeds from six heads of stamps (working on the mixed stuff lying on the surface), in about aix clear days, of 24 hours each, has yielded 35 cas. 15 divised. 22 grs. of standard gold, and about 7 oza. 2 dwts. of silver, value together above 1321. 10s. Capt. Tregoning, in his last report, stated that he expected to crush about 20 or sold to the ton (a very low average), will give a duly yield of about 40 or about 11500, per month. It is, however, the intention of the company to augment their works by machinery, already purchased, as early as possible, to severfold at least. The staff now sent out, with a little additional native labour, will be sufficient to erect this machinery, and thus it will be seen that the income from this mine, which can now be calculated with certainty, will be very considerable, whilst he cost of working is not likely to exceed (say) an average of 500, per month. The Chairman, Mr. Tate, is daily expected from the mines, when the directors will most probably, at an early day, call a special meeting of the shareholders, for the purpose of receiving from him a general statement of the prospects of the undertaking, &c.

BODMIN WEST DOWNS.—This mine, situate at Lanivet, Cornwall, is held on leare from the freeholders for an unexpired term of 18 years, at a rent of 21l, per annum, which is released as soon as visible plant, to the extent of 3002, is fixed on the mine; the royalty is 1-16th dues on tin, copper, and lead, 6d. per ton on Iron ore. The mine contains a series of tin lodes, embracing 40 feet in width, a valuable and extensive iron lode, and very favourable indications of a copper vein. The superior quality of the tin is proved by the fact that, since the lease has been granted, it has fetched from 68l. 10s. to 75l. per ton. The great iron lode, in the western part of the sett, has been set to work, and a sample of 24 tons brought to market. The works on the iron lode prove the existence of a vast quantity of iron ore, which can be raised in profitable condition for 2s. per ton. It is proposed to divide the mine into 3000 parts, of 1l., with a deposit of 10s. each. We have been informed that the greater part of the shares have been applied for, and that Mr. Edward Stephenson has consented to act as Chairman, assisted by Mr. Adam Murray, F.G.S., as consulting engineer, and that gentleman reports very favourably upon the property. He states its position is in a compact metallicerous killas, laying about one mile morth of the 8t. Austell granite; and judging from the valuable character and quantity of tin already discovered in a few open cuttings on the hill, forming the summit of the sett, it may safely be considered a favourable, if not a valuable, undertaking. Mr. Adam Murray concludes that a capital of 30000t, would place the mine in a good working position, and that 5000t, would be ample for all probable contingencies.

Gallet-V-Ferrith-Rhedyn Mine. —This sett was taken for the purpose of working the old frith-Rhedyn Mine.

and that 5000. would be ample for all probable contingencies.

Gallt-y-Ffrith-Rhedyn Mine, —This sett was taken for the purpose of working the old ffrith-Rhedyn Mine, —this sett was taken for the purpose of working the old ffrith-Rhedyn Mine, situate on the high road between Llanrast and Waterloo, Dembighabire, which had been conducted with considerable success and profit from 1813 to 1822, and afterwards remuneratively until 1830, during which time several hundred tons of good lead ore, realising some thousands to the proprietors, were raised. The present holders took possession of the sett in April of the present year, and from recent reports sangulan hopes are entertained that a rich tode will be cut in the course of a very short time. The ground, though at present some what bard, is getting more kindly, and signs of lead ore are repeatedly seen as they progress. The land to be wrought comprises 124 acres, consisting of killas and claysprogress. The land to be wrought comprises 124 acres, consisting of killas and claysprogress. The ground of the production of the setting works amounts altogether to about 6s, per 100, with the right of culting timber, which is carried to the mine at a nominal charge. The cartage of ores to the smelting works amounts altogether to about 6s, per 100, whilst great advantages exist for the appliance of water-power to the mine. There are four lodes passing through it, varying in width from 2 feet to 4 feet, and running from east to west and north to south, the produce of the ores yielded being from 20 to the most of approbation by experienced captains who have tested its capabilities. The registered shareholders of the Gallt-y-Maen Mine having agreed to adopt the pro-

perty in preference to their original grant, we entitled to exchange their shares into this company, a block with the property ander the previous of the Limited Liability Acquisition and the company of the Liability Acquisition and the company of the Liability Acquisition and the company of the company of

ing 31st December, 1855-GENERAL CHARACTER OF THE GOLD-BEARING ROCKS.

The company, a black with a second with the company of the Linited Liability Actifies the desiration and the contract of the Company of the C

RAILWAY TRAFFIC RETURNS.

ENGLAND.—Subjoined are the traffic returns of t	he vari	ous En	glish line
for the last week :	1855.		1854.
London and North-Western	£62,024		£63,311
Lancashire and Yorkshire	20,633		19,276
London and South-Western	16,597	*********	14,732
London and Brighton	12,705	*********	12,046
Great Western	30,309	*********	29,332
North-Eastern	31,504	********	30,252
South-Eastern	17,016	********	15,549
Great Northern	25,075		23,569
Chester and Holyhead	4,356		4,426
Manchester, Sheffield, and Lincolnshire	9,519	*******	9,742
Eastern Counties, Norfolk, and Eastern Union	23,940		24,003
Bristol and Exeter	6,220	********	5,445
East Lancashire	5,529		5,293
London and Blackwall	1,092		1,145
Lancaster and Carlisle	5,322		5,314
Midland	30,079		29,532
Oxford and Wolverhampton	3,743	*******	3,231
Newcastle and Carlisle	8,122	********	3,023
Shrewsbury and Chester		*******	2,111
South Wales		*******	5,602
Bouth Devon	2,421	*******	2,045
South Yorkshire and River Dunn	2,013	********	1,650
Taff Vale	3,775	*******	3,519
West Hartlepool Railway and Harbour	2,605		2,348
Total			316,496
SCOTLAND The returns on Scotch lines are :-	1855.		1854.
Aberdeen and Scottish Midland	£ 3.012		£ 2.673
Caledonian	10.153		
Edinburgh and Glasgow	4.438	********	4,571
Edinburgh, Perth, and Dundee	9 843	********	2,776
Glasgow and South Western	5.576		
North British	4.999	********	
Scottish Central		********	
Total	£33,346		£33,377
IRELAND. —The Irish returns are: —	1855.		1854.
Belfast and Ballymena	# 991	*******	£ 760
Dublin and Belfast Junction		********	
Dublin and Kingstown		********	594
Dublin and Drogheda	1 969	*********	
Great Southern and Western	6.748	*********	6,159
Londonderry and Enniskillen	718		562
Midland Great Western	3,478		2,717
Ulster	1,320		1,242
Total			
			£14,294

RAILWAY TRAPPIC.—The traffic returns of railways in the United Kingdom for the week ending Dec. 22 amounted to 400,541/., and for the corresponding week of 1854 to 382,759/., showing an increase of 17,785/. The gross receipts of the eight railways having their termin in the metropolis amounted for the week ending as above to 188,758/., and for the corresponding week of last year to 183,687/., showing an increase of 5071/.

The increase on the Great Northern Railways and the corresponding week of last year to 183,687/., showing an increase of the Great Northern Railways and the corresponding week of last year to 183,687/.

as above to 185,7384, and for the corresponding were the last year of the Great ing an increase of 5071.

The increase of the Great Northern Railway amounted to 1306L; on the Great Western to 1977L; on the London and South-Coast to 539L; on the London and South-Western to 1863L; on the South-Eastern to 1467L: total, 6474L. But from this must be deducted 637, the decrease on the Eastern Counties; 1287L on the London and North-Western; and 53L on the London and Blackwall, leaving the increase on the other lines in the United Kingdom amounted to 21,736L, and for the corresponding period of 185t to 199,072L, showing an increase of 12,714L in the receipts of those lines, which, added to the increase on the metropolitan lines, makes the total increase 17,785L, as compared with the corresponding week of 1854.

makes the total increase 17,7831, as compared with the corresponding week of 1851.

THAMES ESPLANADE AND RAILWAY.—A project has just been registered, under the title of the "Biver Thames Esplanade Railway sad Sewage Company." The promoter, Mr. Wieland, of Glasgow, proposes to construct river valls on both banks of the Thames, extending from London to Westminster Bridge, with a view of improving the channel and navigation, whilst increased wharfage accommodation would be given by means of quays, extending landwards a depth of 120 feet; a road, or explanade, being formed 80 feet wide on the north side, and 40 feet wide on the south side, of the river, handsome warehouses and shops being built on the other protion of the arches. It is likewise proposed to form a tunnelled railway under the arches, on the Middleser side of the river, from London Bridge to Hungerford Market. Another feature of the scheme is the purifying the River Thames, by entrapping the sewage of London at the mouths of the present sewers, and conveying it from the heart of the metropolis to convenient spots, where it may be decolorised and converted into manure for agricultural purpose. It would appear, irrespective of commercial considerations, to be an undertaking the utility of which, if found practicable, would recommend itself to public approval, as nothing can be more important than its proposed objects—that of purifying the Thames, adding to the wharfage, con structing convenient warehouse accommodation on the river, and providing a wide and rapid means of transit from the West-end to London Bridge, by which the present crowded thoroughlares will be relieved, to say nothing of the architectural beanty which it would give to the metropolis. An elaborate and beautifully-finished model of the proposed esplanade and buildings has been constructed by Mr. Wieland, as explanatory of the advantages of the scheme he is anxious to carry out.

WERKLY LIST OF NEW PATENTS.

WERKLY LIST OF NEW PATERITS.

STATEMENT AND SHITLE AND TALAWARD TA GLOG SHO 334400

APPLICATIONS FOR PATERITS, AND PROTECTION ALLOWED.

Statham; Electric telegraph sables.—E. Tempess, J. Tomilisson, R., Hampson, and J. Hampson; Improvements in looms for weaving, which improvementa are applicable for working the valves of steam-segimes.—T. Silvester: Steam gasges and safety valves.—M. F. A. Gilardeau; A new motive power.—T. Schwartz: Drying, beating, and melting solid and plastic bodies.—G. Geyelin: Propelling vessels by means of pistons. which he calls anti-friction propellors, to supersade paddle wheels, serews, and all other contrivances at present in use.—F. Puls: A new electric light and heat.—E. O. W. Whitehouse: Improvements in electro-telegraphic apparatus, parts of which are also applicable for other purposes.—D. S. Frice, and E. C. Nicholson: Manufacture of cas-steel.—A. J. B. L. de Marcesbeau: Improvements calculated to increase the efficiency or working power of steam-engines.—W. Munslow, and H. Wallwork: Rallways.—C. T. Dunkep: Manufacture or production of artificial oxide of manganese.—W. Foot: Instrument for moving or stopping tracks and other carriage on railways.—W. Smith: Apparatus for regulating the supply of fair to furnaces.—J. Barrow, jon.: Process of manufacturing soda and sulphuric acid.—T. R. Crampton; Improvement in furnaces and in the apparatus for supplying fuel thereto.—F. S. Thomas, and W. E. Tilley: Producing aluminium and its alloys, and in plating or coating mefals with aluminium and alloys composed of aluminium and other metals.

INPROVED MODE OF CASTING HOLLOW SPHERICAL BODIES.—Mr. Peters, of Union-street, Southwark, the patentee of a novel description of steam-engine, combining the reciprocating and rotative motions, which we gave a full de-cription of in the Journal of July 7, has recently patented some machinery for the casting of hollow projectiles, or other apherical bodies. The principle availed of by the patentee in this instance is, that fluids, or semi-fluid bodies, have a tendency to fly from the centre to the circumference when in rapid circular motion. The arrangement consists in the inspiration of the mount of a hollow mould, made in two or more parts, into which molten metal, or other necessary material, is passed through a pipe, which descends about midway into the mould, and then imparting to it two rotary motions, at right angles with each other. The centrifugal force acting in all directions distributes the contents of the mould evently all round, while the internal pipe acts as an escape for the air and gases, and thus prevents any quantity of material, if any, from being forced therefrom. When caving shells, the inventor inverts round the outside of the night of the pipe and the pipe affect of the air and pipe a ferule, or screw, which will become incorporated with the shell, and will be ready to receive a fusee, threaded with a corresponding screw. The thickness of the shell may be increased or diminished by pouring into the mould more or less metal, and the time it takes to set will, of course, vary with the quantity employed. The round may, if desirable, be lined throughout with any suitable material, and may, also, be cooled after the casting is formed by the external application of water or other round the mould nor a suntanter. Other holiow articles may be formed in a similar manner, by altering the mould to suit the shape to be imparted to them.

IMPROVEMENTS IN SWING DOORS.—Mr. R. Watson Savage has just specified his patent for "Improvements in Single and Double Action Swing Doors," and his specification thu IMPROVED MODE OF CASTING HOLLOW SPHERICAL BODIES. - Mr. Peters,

same to rise with the action of the wedge.

IMPROVED APPARATUS FOR PURIFYING AND CARBONISING GAS.—Mr. Samuel Rowlands, of Birmingham, has taken out a patent for a new mode of treating gas, consisting of a vessel or chamber, through which gas is made to pass, and brought into contact with a large surface of the liquid, to the action of which it is intended to be subjected. In this chember is a float of cork, or other light material, having a spiral channel, which gives it a slow rotary motion. When it is wished to impregnate coal gas with the vapour of naphtha, the vessel is partly filled with the liquid, which is kept in a state of agitation by the rotation of the float as it sinks. Other carbonaceous fluids may be employed with like effect.

COLONIAL BANK.—The Court of Directors of the Colonial Bank hereby give notice, that, in pursuance of the provisions of the Charter, a HALF-YEABLY GENERAL MEETING of proprietors will be HELD at the London Tavern, Bi-hoppagate-street, on Wednesday, the bth January, 1856, at Twelve for One o'clock precisely, to receive the report of the proceedings of the corporation; and for the election of five directors and one auditor, in the room of the following gentlemen, who go out by rotation:—viz., Thomas Nagthen, Esq., William Tetlow Hibbert, Esq., Charles McGlarel, Esq., Thomas Masterman, Esq., Sir Walter Minto Townsend Farquhar, Bart, directors; Capt. W. G. H. Whish, R.N., auditor; who, being eligible, offer themselves for re-election.

The Transfer-books of the corporation will be closed on the 22d inst., and re-opened on the 21st January, 1856.

By order of the Court of Directors.

13, Bishopsgate-street Within, Dec. 17, 1855.

C. A. CALVERT, Sec.

R. E. GOMPERS, No. 98, GRACECHURCH STREET, has BUSINESS TO TRANSACT in most of the leading DIVIDEND and PROGRESSIVE MINES. Also, in Life, Fire, Maritime Insurance, Steam Navigation, various Gas Companies, and various Joint-Stock Companies' Shares, returning regular dividends.

M. R. E. M. E. R. S. O. N., S. H. A. R. E. D. E. A. L. E. R.,
3, COPTHALL BUILDINGS, THROGMORTON STREET, LONDON.
BUSINESS TRANSACTED in DIVIDEND and PROGRESSIVE MINES, BRITISH and FOREIGN RAILWAYS, and every other description of STOCK.

POR SALE,—500 Great Hewas United Shares, at 3s. 6d. per share; and 30 Swanpool Shares, at 30s. per share,—Apply to Mr. R. Emeseon, No. 3, Copthall-buildings, Throgmorton-street, I ondon.

CLARA MINE.—ONE SHILLING PER SHARE will be given for ONE or TWO HUNDRED, by applying to "A. B.," Post-office, Salisbury.

MESSRS. C. H. J. GEDDES, W. BURGAN, AND CO., have OPENED AN OFFICE at No. 60, GRACECHURCH STREET, for the purpose of BUYING and SELLING SHARES in the following MINES:—

Hawkmoor.

Swanpool.

100 Lady Bertha.

50 Caray United

Wheal Kitty (8t. Agnes). 50 Carew United.

MESSES. C. H. J. GEDDES, W. BURGAN, AND CO., MINING AGENTS, beg to inform their friends and the public that they are DEALERS in MINING SHAKES, both DIVIDEND-PAYING and PROGRESSIVE, and in all PROPERTIES relating to MINES; and they offer gratuitou by information relating to such properties, which Mr. Burgan, from his practical knowledge, extensive connections, and long residence in Cornwall, is fully competent to supply. They also TRANSACT BUSINESS in GOVERNMENT SECURITIES, at regular charges, and in all JOINT-STOCK COMPANIES and OTHER SHARES.

charges, and in all JOINT-STOCK COMPANIES and OTHER SHARES.

TR. R. TREDINNICK, of No. 4, AUSTINFRIARS, LONDON, and CAMBORNE, CORNWALL, STOCK and SHAREBROKER, GENERAL DEALER IN SHARES IN BRITISH MINES, MINE INSPECTOR, and GENERAL AGENT, OFFERS HIS SERVICES to espitalists and the public, in the SELECTION and PURCHASE of sHARES of every denomination. Many of the mines of Cornwall pay large rates of interest upon the current value of shares, in many cases 15 and 20 per cent. per annum, without the corresponding risk attached to railway and many other descriptions of speculative investments; to such would Mr. Tradding draw attention at this time as advantageous mediums for capital. Some few months ago he pointed out the following mines, which have since advanced materially in value, and others equally desirable at prosent quotations are upon the fapis, and it is incumbent upon those having a limited income from Consols or other securities, yielding only 3 to 5 per cent., to avail themselves of the favourable opportunity thus afforded. Mining is not at all times successful, but the risk is comparatively small when experience and practical discrimination is exercised in a judicious selection of progressive mines, situate in districts having analogy and profitable surrounding mines in their favour.

West Seton 200 12 200 in January, has risen to 600 625
South Frances 200 2 720 740
Alfred Consols

South Frances ... Alfred Consols ... United Mines ... Copper Hill Basset 200 280 200 600 620 5 5 1/4 7 9 52 1/4 9 10 Basset
Euller and Bass
Stray Park
East Basset
Carvannall
West Frances
Kitty (Lelant)
Providence Mir 35 37 ½ 35 37 ½ 50 55 4 4 ½ 135 140 36 37 34 35 600 625 Carnyorth Condurrow . North Basset West Basset . Clifford 220

VINING INVESTMENT, &c.—The large amount of capital invested, and the great want of facility for conducting the sale and purchase of stock, has induced us to OFFER OUR SERVICES to capitalists and others, being in daily communication with practical men in all parts of the country, who have the means of obtaining the most correct information upon the principal mines in Devon, Cornwall, and Wales. There can be no doubt that mining securities afford to the capitalist a safe and profitable source of investment, many of which, by a careful selection, will ensure a return of from 15 to 20 per cent. for many years to come; others of a progressive character hold a promise of inereased value, and of becoming a lasting and dividend property.

Messrs, Fuller and Co., 51, THREADNEEDLE STREET, LONDON, respectfully TENDER THEIR SERVICES in TRANSACTING any BUSINESS, or obtaining any information, connected with MINING, BANKING, or RAILWAY SECURITIES; and any orders confided to their care will receive the best attention.

Office Hours from Ten till Five.

FLETCHER AND CO., RAILWAY, MINING, INSURANCE, AND GENERAL SHAREBROKERS, 163, WOODHOUSE LANE, LEEDS, Gold Mining Shares wanted.

ATE FIRM OF HENWOOD AND MOLYNEUX.—All persons the state of the state o

MR JOHN H. CLEMENT begs to OFFER HIS SERVICES as CONSULTING MINING ENGINEER to gentlemen and capitalists holding, or wishing to hold, interests in mines or mineral properties in any part of the globe. Mr. CLEMENT BAYING MINING ENGINEER to describe the marters in various parts of the world, enables him to give the most careful advice as to how and when, and with whom, to invest in mining property.

Address, 10, Gloucester-terrace, Church-lane, Kensington.

To parties inclined to invest in gold mines, Mr. CLEMENT recommends the perus. I of his pumphlet on the Marble Springs Mine, to be had on application to him, at his residence, as above.

REDUCTION OF GOLD ORES.—SAMPLES intended to be OPERATED UPON by Mr. CALVERT'S PROCESS may be FORWARDED to his LABORA FORTES, Savoy,—care of Mr. Robert Henson, 113A, Strand, London.

WATERSIDE PREMISES, 10, UPPER THAMES STREET.

TO BE LET, and may be entered upon immediately, a WAREHOUS
about 190 ft. long by 18 ft. wide, with a strong floor and room above.—For partie
lare, apply to Mr. J. C. Nealos, on the premises.

TO BE LET, for such a term of years as may be agreed on, the LONG BENTON COLLIERY, near Newcastle-upon-Tyne, the property of the Right Hon. the Earl of Carlisle. At this colliery, the High Main Seam has been securely tubbed off, and the shafts are sunk to the Low Main Seam, which has been recently extensively opened out. The engines, sereens, and other stock upon the colliery may be taken at a valuation. Further information can be obtained on application to Mr. Liddell, Benton Grange, near Newcastle-oh-Tyne.

Dec. 15, 1855.

TO PLASTER OF PARIS DEALERS, CAPITALISTS, AND OTHERS.

TO BE LET, three miles from Carrickmacross, County Monaghan, a large MILL, and QUARRY of GYPSUM, of superior quality. The mill is worked by a steam-engine of 13-horse power, and will be found complete in all respects, and suitable for an extensive trade. For particulars, and to view, apply to GEORGE MORANT, Shirly Estate Oilloe, Carrickmacross.

WANTED, by a YOUNG MAN (Aged 22), who has had much experience in PRACTICAL MINING, is a competent ASSAYER, DIALLER, MINING ACCOUNTANT, &c., a SITUATION; he would prefer going abroad, though an appointment at home would not be objected to. A large salary not so indispensable as an immediate engagement. Unexceptionable references can be given.—Address, "J. W. J.," Mining Journal office, 26, Ficet-street, London.

WANTED, a SITUATION in MINERAL or UNDERGROUND SURVEYOR, by a YOUNG MAN (30 years of age). The advertiser, who can exceute finished plans, can also be well recommended as an underground surveyor. Would have no objection to fill up his time in an office, or take a situation as assistant to a mechanical draughtsman or land surveyor. Has been a colliery agent, Has good testimonials.—Address, "C.," Mining Journal office, 26, Fleet st., London.

TO SMELTERS.—The ADVERTISER, who has a thorough knowledge of chemical analyses, and the chemistry of the metals, and is also practically acquainted with smelting operations on the large scale, having been engaged in them for years, wishes for an APPOINTMENT as CONSULTING CHEMIST to a SMELTING WORKS, and will have no objection to reside convenient to the works, if required. - Address, "J. B. N.," Mining Journal office, 25, Fleet-street.

TO COLLIERY OWNERS AND OTHERS.—TO BE SOLD, BY PRIVATE CONTRACT, an excellent CONDENSING ENGINE, cylinder 30 in, diameter, 40-horse power, manufactured by Murray, of Chester-ie-street. It is almost new, and in good order, and, from its site being required for improvement Gateshead, would be sold at a sacrifice.—To be seen by applying to Mr. John Lamu, town surveyor; or Messrs, Haggie Brothers, rope manufacturers, Gateshead-on-Tyne.

TO IRONMASTERS.—DUSTON IRON ORE COMPANY.—
This company is NOW in a POSITION to SUPPLY IRONSTONE from their works at Duston, in the county of Northampton, at 3s. 3d. per ton.—Tenders for any quantity required to be sent to Mr. Thomas Nurse, Wellington Chambers, Cannon-street, London.

MANGANESE ORE, of superior quality (about 86 per cent.), FOR SALE, delivered in any part of England.—Address, "R. R.," care of Mr. Dare, 4, Birchin-lane, Cornhill, London.

EICESTER COLLEGIATE SCHOOL.—The Rev. HUMPHRY DAYY MILLEIT (one of the Assistant Masters), who receives a small number of boarders, wishes to fill up ONE VACANCY. Terms, £50 per annum, including Board, and Instruction in Classics, Mathematics, Chemistry, History, Geography, French, German, and Drawing.

Reference may be made to Rev. J. F. Isaacson (late Tutor of St. John's and King's Colleges, Cambridge), Freshwater Rectory, Isle of Wight; G. P. Hubbuck, Esq., 8Rhymney Ironworks; C. R. Moate, Esq., 28, Johl Broad-street, London.

53, Sparkenhoe-street, Leicester, Dec. 20, 1855.

COBALT AND NICKEL.—HENRY MERRY, REFINER AND PURCHASER OF COBALT AND NICKEL ORES, and ASSAYER IN GENERAL.—Address, LEE CRESCENT, BIRMINGHAM.

NICKEL AND COBALT REFINING, AND GERMAN SILVER WORKS, MILL STREET, BROAD STREET, BIRMINGHAM.—STEPHEN BARKER begs to inform the Trade that he has the following articles for sale:— REFINED METALLIC NICKEL. OXIDE OF COBALT. WIRE, &c REFINED METALLIC BISMUTH. GERMAN SILVER—IN INGOTS, SHEET, NICKEL AND COBALT ORES PURCHASED.

CUBERT UNITED SILVER-LEAD MINES.—The LONDON AGENCY of these mines has been REMOVED to the OFFICES of Mr. W. C. FOULKES, 55, OLD BROAD STREET, where the business will be conducted on and after its January, 1856.

EAD MINES.—There is a FINE FIELD for LEAD MINING SPECULATORS OFFERED to the public, of large extent, between the Eivers kidd and Wharfe.—Applications to be made to J. Yorke, Esq., Bewerley, Ripon.

DOTTLE HILL MINE, DEVON.—Persons desirous of a LEASE of this SETT, one of the oldest and most productive tin works in Devon, may NEGOCIATE for the same by applying to Messrs. Books and Bewes, solicitors, Manor Office. Stonehouse.

Manor Office, Stonehouse.

The takers of the sett will be entitled to the option of purchasing the steam-eng and machinery in place, at a price to be fixed by arbitration.—Dated Dec. 27, 1855

TREAT WHEAL BUSY UNITED MINING COMPANY (LIMITED). In 6600 shures of £10 each.—Deposit 50s, per share.
Notice is hereby given, that the SHARE LIST is now CLOSED, and that the DE-POSITS on the shares must be PAID to the bankers of the company, Mccsel. Martia and Co., of Lombard-street, London; or to Messrs. Tweedy, Williams, and Co., of Truro and Redruth, Cornwall; on or before the 10th January, 1856.

87, Old Broad-street, London, Dec. 18, 1855.

TINCROFT MINING COMPANY.—Notice is hereby given, that a GENERAL MEETING of this company will be HELD at the company's offices, 61, Moorgate-street, London, on Thursday, the 3d day of January next, at Twelve o'clock at noon precisely; and that such necting will be rendered SPECIAL, for the purpose of transacting all or any business within the powers of an annual general meeting of this company.

By order of the Board,
London, Dec. 6, 1855.

HIRAM WILLIAMS, Sec.

WHEAL UNY.—Notice is hereby given, that the NEXT QUAR-TERLY MEETING of the adventurers will be HELD at No. 69, Lombard-street, London, on Tuesday, the 15th January next. The chair will be taken at One o'clock precisely.—Dec. 27, 1855.

WICKLOW COPPER MINE COMPANY.—The STATED HALF-YEARLY MEETING of the company will be HELD at their office, lo, Leinster Chambers, 43, Dame-street, on Thursday, the both day of January, 1856, at the hour of One o'clock P.M.

The statement of accounts will lie at the office, for the inspection of proprietors, on and office Standards the Standards and Star Standards the Standa

and after Saturday, the 5th proximo, from Eleven to Four o'clock. Dublin, Dec. 28, 1855.

MEXICAN AND SOUTH AMERICAN COMPANY.—The TWENTY-FIRST DIVIDEND, of SEVEN SHILLINGS AND SINVENCE per share on the shares of this company, free of income tax, will be PAID on or after the 19th January, between the hours of Eleven and Three. Forms for claiming the dividend may be obtained by the shareholders on upplication at the office.

17, Gracechurch-street, Dec. 12, 1855.

HYDE CLARKE, Sec.

DOYAL SANTIAGO MINING COMPANY.—The directors of this characteristic of the company hereby give notice, that they have this day made a CALL upon the shareholders of ONE POUND per share, to be paid to the company's bankers on or before the 29th day of November, 1855.

By the terms of the agreement constituting the company, all shares of those proprietors who do not pay the said call of £1 per share within 30 days after the 29th November will be absolutely forfeited.

The form to make the payment will be delivered upon application at the office, and the certificates must be lodged at the same time to have the payment endorsed thereon. 38, Broad-street-buildings, Sept. 26, 1856.

OYAL SANTIAGO MINING COMPANY,—The Directors hereby give notice, that the HALF-YEARLY GENERAL MEETING of the share-holders will be HELD at the office of the company on Wednesday, the 23d January next, at One o'clock precisely, when the directors will make their report, 38, Broad-street-buildings, Dec. 15, 1855.

WEST MARIPOSA GOLD MINING COMPANY.—
The ADJOURNED MEETING of the scripholders is CONVENED to
Thursday, the 3d January, at the North and South American Coffee House, Thread
needle-street, at Twelve for One precisely, to hear the report of the genitemen wh
were deputed to wait on the directors.—Dec. 27, 1855.

H. GUEDALLA.

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ENT. ETTSHOEMS TRANSMINISTER established SHEREVARY (Protest of the Continue of the Cont

ACTING-ENGINEER—B. Piercy, Esq.
BANKERS.
Bestz. Beek, Downward, Scarth, and Bowen, Shrewsbury and Welshpool.
Messrz. Croxon and Co., Oswestry.
The North and South Wales Branch Bank, at Newtown, Aberystwith, Weishpool, and The National Provincial Branch Bank, Machynlith.

Do National Provincial Branch Bank, Machynitch.
It is proposed to apply to Parliament for power to make a railway, commencing
y a junction with the authorised line of the Oswestry and Newtown Railway, in
he prisch of Buttington, near Welchpool, and thence passing by Woolaston, Westury, Yockleton, Crack Meole, Hanwood, Hook-a-Gate, and Brace Meole, and terninating by a junction with the Shrewbury and Hereford Railway, at Coleham,
ear Shrewbury; together with a branch commencing by a junction with the main
ne at Crack Meole, and passing by Lea Cross, Pontesford, and Pontesbury, to
finsterly.

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Minsterly.

Minsterly.

The object of the undertaking is to connect the county of Montgomery, the mineral district of the Res Vailey, and the Llanymynech lime rocks, with Shrewsbury, the Midland Counties, and London, and to supply also an important link in the chain of communication annually approximating towards completion between Manchester and the other manufacturing districts of Laneashire and Yorkshire, on the one hand, and Milford Haven, Aberystwith, South and Central Wales generally, on the other. The necessity for this addition to the railway system of England and the Principality has been so strongly felt that, during the last eleven years, many schemes for supplying it have been before the public. The important results to be obtained by its accomplishment have been so fully discussed, that it is deemed unnecessary to recapitulate them.

pality has been so strongly felt that, during the last eleven years, many schemes for supplying it have been before the public. The important results to be obtained by its accomplishment have been so fully discussed, that it is deemed unnecessary to recapitulate them.

The delay in supplying this communication has been chiefly occasioned by the difference of opinion which has existed in respect to the precise route it should take. In laying out the present scheme advantage has been taken of the discussions to which its precises sors gave rise; all that has been urged for or against the several routes before proposed or suggested has been fully considered; and the present lines have been selected so as to embrace the several conflicting interests, while the efficiency of the main line as a through route has been carefully preserved.

The requirements of the standing orders have been complied with, by the deposit of the plans, sections, and books of reference, and the notices have been served on the owners and occupiers of the land necessary for the line.

A careful estimate of the cost of the works and purchase of the land, &c., has been made, and it appears that the undertaking can be satisfactorily completed for the sum of £150,000, being less than £700 per mile, while the average cost of the railways in the kingdom has been no less than £33,000 per mile, or nearly five times the amount to be expended on this line, and some of the best known in the neighbourhood have cost £30,000 or £00,000 per mile, which it runs, It is may be considered as certain that any line, the cost of which is limited to £10,000 or £12,000 a mile will indubitably afford a good return to its shareholders, however thinly populated and unpromising may be the district through which it runs. It is important that these facts should be borne in mind in judging of the expediency of any prospective railway extensions. It is essential to our commercial prosperity and our promisective railway extensions. It is essential to our commercial prosperi

some tew lines have lately been constructed under these conditions with the most singular success."

In order to secure an early return, and a certain dividend of not less than 4½ per cent, the London and North-Western Company are prepared (with the sanction of Parliament) to enter into traffic arangements, under which, without giving that company any exclusive privileges, or taking anything from the proceeds of the present undertaking, it will be stilpulated, that should those proceeds at any time be in-ufficient to pay 4½ per cent., there shall be an apportionment in favour of this Company of the proceeds of the conveyance of our through traffic over any part of their railways, to such an extent (not exceeding 70 per cent. for this Company, or less than 30 per cent. for the London and North-Western Company) as will make up the deficiency.

The well-known contractors, Messys, Thornton and M'Cormick, who have undertaken the construction of the Oswestry and Newton Railway, have expressed themselves willing to subscribe one-third of the capital, or 250,000; and it remains to be seen whether the landowners, agriculturists, and other inhabitants of the district will, under such favourable circumstances, some forward, and by subscribing the remainder of the capital, secure for themselves the great advantages which the scheme is calculated to supply.

Application for shares in the annexed form to be forwarded to either of the secretaries.

To the Managing Committe of the Shareshare and Mathematical Conditions of the secretaries.

To the Managing Committe of the Shrewsbury and Welshpool Railway Co

Signature Christian and surname in full ... Address (EELONG AND MELBOURNE RAILWAY COMPANY

CIELONG AND MELBOURNE RAILWAY COMPANY.

I Incorporated by an Act of the Victoria Legislature, 5th February, 1853.

Capital £350,000, in 17,500 shares of £20 each.

Bearing a minimum interest of 5 per cent. per annum,

Guaranteed by the Colonial Government for 21 years, and payable half-yearly,—
viz., on the 20th April and 20th October, in the Colony and in London.

DERCTORS.—ELECTED BY THE SHAREHOLDERS.

CHARLES NUTTALL THORNE, Esq., J.P.—PRESIDENT.

WILLIAM G. M'KELLAR, Esq., J.P.

JAMES B. HUTTON, Esq.

APPOINTED BY THE COLONIAL GOVERNMENT.

CHARLES EDWARD STRUTT, Esq., J.P., Immigration Agent.

GEORGE P. BELCHER, Esq., Sub-Treasurer.

ENGINEER—Edward Shell, Esq.

LONDON OFFICE.

MANAGER—S. J. Cooke, Esq., 30, Cannon-street, late Treasurer to the Colonial

Government, and a Director of the Company.

AGENTE—Messrs. Larnach and Walker, 37, Cannon-street.

EXAMINING AND CONSULTING ENGINEERS—Daniel Gooch, Esq., C.E., Great Western

Railway; Henry Stothert Esq. (Stothert and Slaughter), Bristol.

SOLICITORS—Messrs. Goodwin and Co., 3, Lancaster-place, Strand.

BANKERS—London Joint-Stock Bank; and Bank of New South Wales,

By advices, dated 12th September last, further intelligence has been received of the progress of the above undertaking, which is now rapidly approaching completion.

It is anticipated that 16 miles will be ready for traffic in January next, and that the communication between Geolong and Melbourne will be formally opened at the date of the sixth half-yearly meeting of shareholders in July of the ensuing year.

Applications continue to be received for the unallotted guaranteed shares of £20 each, at not less than par, which must be paid in fulf, interest taking effect from the date of payment, and so endorsed on the share certificates.

S. J. COOKE, Manager.

Geclong and Melbourne Railway Office, 36, Cannon-street, City, Dec. 1, 1855.

FORM OF APPLICATION FOR SHARES.

To Messrs. Larnach and Walker, 37, Cannon-street, London.

ANTI-EXPLOSIVE BOILERS, BY DUNN, HATTERSLEY, AND CO., WINDSOR BRIDGE IRONWORKS, MANCHESTER.

The more important of the numerous advantages possessed by DUNN'S PATENT DUFLICATE RETORT STEAM BOILERS, are, their EXCEEDING STIENGTH and SIMPLICITY OF CONSTRUCTION, enabling the manufacturers to make them at a LOW PRICE. Being made in parts, all of which are duplicates, any portion can be readily replaced at any time, or the whole may be enlarged with the utmost facility, by placing more cylinders side by side, joining the whole into a continuous corrugated flat-bottomed boiler.

This important point in thir construction entirely OBVIATES the DANGER of EXPLOSION (from being tended by unskillul men), as damage done to one portion cannot affect the others, or disarrange the whole.

Every part is SEVERELY TESTED before leaving the manufactory, and warranted. These boilers are ECONOMICAL in use, their large heating surface giving the greatest effect with the smallest amount of fuel. Their roomy furnaces almit of the consumption of the cheaper and more bulky kinds of fuel, such as brushwood, sawdust, small coals, pear, refuse of resin, pitch, grass, cane refuse, &c. They are adapted to any kind of smoke burners, and their clear circulation of water prevents scaling or clogging with dirt.

By a slight difference in the arrangement of the parts, they can be made SUIT-ABLE for LAND, MARINE, or LOCOMOTIVE ENGINES; for use in sugar refining, tallow rendering, extracting palm, fish, and other oils, or the saccharine matter from bect-root, cane, &c., and every other use to which boilers are applied.

Being, as before stated, manufactured in parts, each of which will not exceed in weight 2 cwts. to 3 cwts. (as the case may require), they possess great facilities for transport by water or land, particularly in the interior of mountainous districts, where roads have not been established.

These boilers have been well tested in the manufacturing and mining districts of England, and have been most highly approved for both home and for NTI-EXPLOSIVE BOILERS, BY DUNN, HATTERSLEY,

OTICE TO INVENTORS AND PATENTEES.—The OFFICES for PROCURING PATENTS are REMOVED to No. 32, ESSEX STREET, ETRAND, LONDON, where all information (British and foreign) may be obtained gratis.—Aven, Bellroed, Gardiest, and Co., patent agents and negociators.

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The Consol Traffic Cares of Ellipse and Japan Alexandra Consol Traffic Cares of Ellipse and Japan Care

ORDERS, or DECREES, made in these Causes, and bearing date respectively the 10th and 14th days of November last, a FUBLIC AUCTION will be HELD at BALLESWIDDEN UNITED MINES, in the parishes of Madron and Sancred, within the said Stannaries, on Tuesday, the 5th day of January next, at Eleven o'clock in the forenoon, for SELLING, either together or in lots, the undermentioned MINING MACHINERY, MATERIALS, and OTHER EFFECTS, viz.:—

in the forenoon, for SELLING, either together or in lots, the undermentioned MINING MACHINERY, MATERIALS, and OTHER EFFECTS, viz.:—

1 36 in, cylinder engine, complete, 1 boiler, 9 tons.
1 boiler, 9 tons.
1 water-wheel, 38 ft. high, and 4 ft. wide, with iron aske for 12 heads and 8 stamp heads, and lifters attached.
1 8-armed capstan and shears.
7 9 ft. 6 in, pumps.
2 4 ft. 6 in, pumps.
2 4 ft. 6 in, pumps.
2 4 ft. 6 in, bumps.
3 9 ft. 4 in, working-barrels.
2 4 in, doorpicees.
3 balance-bobs; 1 V-bob; 1 horse-whim; 3 borse-whims, with shaft tackle, complete; 80 fms. whim-chain; 19 fms. whim-rope; 50 fms. whim-rope, nearly new; 20 fms. 4 ft. launders; 50 fms. whim-rope; 50 fms. whim-rope, rose in the mad prongs; grinding-stone; smiths and miners' chest, and forms; 2 ft. ditto; 3 ft. ditto; 4 ft. sheaves; 2 ft. ditto; 2 ft. ditto; 3 ft. ditto; 3 ft. ditto; 3 ft. ditto; 3 ft. ditto; 4 ft. sheaves; 3 ft. ditto; 2 ft. ditto; 5 ft. ditto; 6 ft.

SHARES IN MINES AND SHIPS FOR SALE.

MR. BELLRINGER WILL SELL, BY AUCTION, on Thursday, the 3d day of January next, by Three o'clock in the afternoon, at the Three Tans Hotel, Penzance—
15 (6724) SHARES in that valuable tin mine, DING DONG, in Madron.
28 (1024ths) SHARES in that excellent tin mine, BALLESWIDDEN, in St. Just.
3 (1024ths) SHARES in GREAT WH. FORTUNE MINE, in Broage, near Wh. Vor. 4 SHARES in PENZANCE SHIPPING COMPANY.
Dated Dec. 20, 1855.

VALUABLE MINE MATERIALS FOR SALE.

VALUABLE MINE MATERIALS FOR SALE.

R. WM. HANCOCK WILL SELL, BY AUCTION, on Tuesday the 8th day of January, 1856, at Ten o'clo: ka.m., precisely, at the TYWARD ATH MINE, in the parish of Tywardreath, near 8t. Austell, Cornwall, the MARIALS innad upon the said MINE, comprising a 50 in. cylinder STEAM-ENGINE is stroke in the cylinder, and 8 ft. in the shaft, with two boilers about 24 tons. 1 in, pumps. stroke in the cylinder and 8 ft. in the shaft, with two boilers about 24 to 5 in. pumps, wrought-iron, 9 fms. long.
5 in. pumps, wrought-iron, 9 fms. long.
5 in. pumps.
5 in. pumps.
10 in. pumps.
11 in. doorpiece.
12 in. doorpiece.
13 in. doorpiece.
14 in. doorpiece.
14 in. pumps.
15 in. pumps.
16 in. pumps.
17 in. doorpiece.
17 in. doorpiece.
18 in. H-piece.
17 in. doorpiece.
18 in. H-piece.
18 in. H-piece.
18 in. H-piece.
19 ft. 14 in. windbore.
19 ft. 14 in. windbore.
19 ft. 14 in. windbore.
19 ft. 12 in. windbore.
10 ft. 19 in. working-barrel.
10 ft. 19 in. working-barrel.
17 in. pumps.
18 in. in. pumper.
19 ft. 11 in. windbore.
19 ft. 12 in. windbore.
19 ft. 19 in. windbore.
110 ft. 9 in. windbore.
111 in. stuffing-box and gland.
111 in. stuffing-box and gland.
112 in. stuffing-box and gland.

110 ft. 10 in. working-barrel.
112 ft. 8 in. working-barrel.
112 ft. 9 in. working-barrel.
112 ft. 8 in. working-barrel.
112 ft. 8 in. working-barrel.
110 ft. 18 in. plunger-pole.
110 in. 18 in. plunger-pole.
110 in. suffing-box and gland.
111 in. suffing-box and gland.
110 in. suffing-box and gland.
111 in. suffing-box and gland.
111 in. suffing-box and gland.
110 in.

DOT OF PAT.—DATED SIGNEY-PRINCE, No. 1838.

OCOMOTIVE ENGINES FOR SALE.—TO BE SOLD, BY PUBLIC AUCTION, at the RAILWAY STATION, on the North Side of the River, at Stockton-on-Tees, on Wednesday, the 16th day of January, 1856, SIX LO-COMOTIVE ENGINES and TENDERS, belonging to the Stockton and Darlington Railway Company. The engines may be seen, and further particulars obtained, on application to Mr. William Boven, Shildon Works, near Darlington.

THOMAS MACNAY, Sec. 1835.

Railway Office, Darlington, Nov. 30, 1855.

Railway Office, Darlington, Nov. 30, 1855.

KIDDAW AND BLENCATHERA MINES, NEAR KESWICK, CUMBERLAND.—MACHINERY FOR SALE, BY PRIVATE CONTRACT, consisting of 20 ft. WATEL-WHEEL, 3 ft. broad, nearly new, and very substantially built, crank, connecting rods and bob, sole trees, &c.; 12 fms. of 7½ in. pumps; 12 fms. of 1½ in. rods; 12 fms. of 1½ ins. of 1½ in. rods; 12 fms. of 1½ ins. of 1½ in. rods; 12 fms. of 1½ in. rods; 13 fms. of plain roll rods and washing materials; smithstools; a quantity of mining tools; horse-whim, kibbles, rope, &c.; crab winch; bucket doorpiece; spare timber; iron, &c.

The directors are empowered to treat with any respectable party for the transfer of the sett, containing many promising lead and copper lodes, from which about £600 worth of ore has been sold by the present company.

The mines and muchinery may be seen on application to Capt. Jos. Spark, Keswick; and further particulars may be had on applying to Mr. Jos. Hewson, secretary, Cockernouth, Cumberland.

WHEAL SUSAN, SITHNEY, CORNWALL.—TO BE SOLD, BY PRIVATE CONTRACT, an excellent 20-in. cylinder STEAM-ENGINE, 9 ft. stroke, equal beam, with one boiler about 8 tons, 24 head stamps, two fly-wheels, &c., complete, and in first-rate condition, together with all the woodwork of engine-house and boiler-house, &c.—Application to be made to Mr. Fras. Daniell, Cambone; Mr. John Bengess, auctioneer, Burncoose, Redruth; or, Mr. H. V. Newton, auctioneer, printer, &c., Camborne.

TO BE DISPOSED OF, PART or ALL of a large MINING SETT, in a good locality, and in the neighbourhood of rich mines. Dues very easy, and water-power in abundance, if required.—For further particulars and information, address "A. Z.," Mining Journal office, 26, Fleet-street, London, where plans and specimens of the ore can be seen.

M INERALS, &c., TO LET.—TO LET, upon long leases, the MINERALS under the Stepney Estate, in the counties of Carmarthen and Glamorgan, South Wales, comprising upwards of 12,000 acres, and containing IRON-STONE, BLACKBAND, ANTIBRACHE, BPTUMINOUS, and STEAM COAL, and CULM; LIMESTONE, MARBLE, and FLAG QUARRIES, FIRE-CLAY, and BRICK EARTH; also, desirable SITES for the erection of COPPER and other SMELTING WORKS, TIN-PLATE and other MANUFACTORIES, where cheap fuel, and case communication by rail and vessel are of importance.

Apply to Messer, Franco and CLABOS, 21, Great George-street, Westminster; or to Mr. WILLIAM ROSSER, mineral surveyor, Llanelly, South Wales.

na, &c., forming gangue..... Peroxide of iron 6-960
Oxide of manganese 45-620=100-000
For further particulars, apply to Mr. Gkorge Wilson, share and mining broke

COLLIERIES FOR SALE.—TO BE SOLD, BY PRIVATE CONTRACT, TWO valuable COLLIERIES, in full working order, and yielding a handsome revenue, situste in the West Ridling of the county of York, and accessible by the Great Northern and South Yorkshipe Kailways, and the Dearne and Dave Canal. The bed of coal which is being worked is of excellent quality, and about 4 ft. thick. An extensive area is opened, and the ground proved to be free from faults.—For further particulars, and to treat for the same, apply to Mr. W. H. Pracock, solicitor, Barusley.—Dec. 5, 1855.

NTHRACITE COAL.—TO BE LET, for a term of years, and the valuable SEAMS of ANTHRACITE COAL lying under the Farm of Creswell, in the parish of Lawrenny, county of Pembroke, containing upwards of 300 acres. The above coal is of superior quality, and conveniently placed for shipment, being situated on a branch of the Milliord Haven, within a short distance of the ferminus of the South Wales Railway.—For further particulars, apply to T. M. Marnott, Eq. 1, Lancaster-place, London; James Summers, Eq., Haverfordwest; or Mr. James Wilson, mineral surveyor, &c., Underwood, near Haverfordwest.: Underwood, Oct. 26, 1855.

MPORTANT TO IRONMASTERS.—Several portions of the IRONSTONE and IRON ORES on the MULGRAVE ESTATE, near Whitby, belonging to the Marquis of Normanby, are still unlet, and may NOW BE TAKEN of facing the German Ocean, is from 3 to 15 ft. in thickness, and is allowed by competent authority to be much the riclest ironstone yet discovered in Cleveland. It is within 15 miles (by sea) of Hartlepool, and 20 of Middlesbro—both the above places now becoming celebrated for the manufacture of iron. The scan will be divided so as to suit companies; and further information may be obtained on application to Mr. Kerr, at Lythe Hall Office, near Whitby; or of Messrs, Leman and Co., 51, Lincoln's Inn-fields, London.—Lythe Hall, Dec. 11, 1855.

Co. Mansion, House, et get, a the innerperbone of ser feet, W. Inhibot and a distinct property of the company o

duly acknowledged; and where a last way be seen of the Committee promoting the sapeal?

A COPY of the GENERAL PETITION, in course of signature, to the House of Commons, and full particulars of the extraordinary facts, including a pamphiet kindly furnished by David Mushet, Esq., giving a sketch of the iron trade of this country in the last century; the origin of our export trade in 1785, now reaching more than 1,000,000 tons yearly; the consequent annihilation of the export trade of Russla, which event alone has enabled us to maintain our present proud pre-eminence over that power, on whom we were previously in servile dependence for this necessary to the arts, either of peace or war; the treatment in 1789 of the author of these wast benefits by public defaulters and others; the recompense made to his widow and orphans by tile House of Commons in 1812, for saving up to that time to the British empire more than £30,000,000 sterling; may be had at the Mining Journal office, 26, Vicet-street; the Mechanics' Magazine office, 166, Ficet-street; or by post on remittance of three postage stamps.—Dec. 20, 1855.

ORALLWAY COMPANIES, ENGINEERS, MACHINE MAKERS, SHIPBUILDERS, CONTRACTORS, MINERS, MANUFACTURERS, AND OTHERS.—Mr. WHEATLEY KIRK respectfully calls attention to his very large STOCK of STEAM-ENGINES, HORIZONTAL and VERTICAL, of the most efficient and modern construction; and also to his extensive assortment of NEW TOOLS, of the best manufacture, including Single and Double-geared Lathes, either withor wast metal beds; Silding, Surfacing, Serve-cutting, and Boring Lathes, of every description; Planing Machines; Drilling, Boring, Slotting, Shaping, and Bothescrewing Machines; Punching and Shearing Machines; Compound Slide Rests; Screwing Tackle, &c.
Offices, Cross-street Chambers, Manchester; Stores, Bonded Wharf, Salford.

SPLENDID 16 in, EXTRA STRONG SCREW-CUTTING and SLIDE LATHE, with compound slide rest, screw whole length of bed, complete set of change wheels for screw-cutting, bed 20 ft, long, top driving apparatus, and all complete.—Wieatley Kirk, Cross-street Chambers, Manchester, and Bonded Wharf, Salford, where there is always ready for delivery the largest stock in the kingdom of engineers' tools, steam-engines, railway and mining plant, &c. TANK LOCOMOTIVE WANTED, not to exceed 8 or 10 tons weight,

water-tank included, 8 or 9 in. cylinder, 4 wheels coupled, copper fire-planthracite coal.—Apply to Wheatley Kirk, Manchester.

I IMITED LIABILITY .- WANTED TO EXCHANGE FOR IRALEWAY SHARES, at their present market value, a CORRESPONDING NUMBER OF SHARES in a NEW LIMITED LIABILITY MANUFACTURING COMPANY, now working under patents of fix-t-class value, some of which have realised an average profit during the last five years of 15 per cent., and another patent 29 per cent.—Full particulars, showing these profits, will be sent (confidentially) by post, and satisfactory reasons for an exchange of shares explained, either by letter or on personal application to Wheaten Kerk, Cross-st. Chumbers, Manchester.

POR SALE, THE FOLLOWING STEAM-ENGINES:—A 70 in. cylinder ENGINE, 10 ft. stroke, quite new, with or without boilers; a 27 in., 10 ft. stroke, DIRECT-ACTING ENGINE, with about 9 tons of boiler, complete; a 24 in. HORIZONTAL DUBLE-ACTING ENGINE, 8 ft. stroke, without boiler.—Apply to Capt. Thomas RICHARDS, Hayle.

NGINES.—FOR SALE, THREE 12-horse HIGH-PRESSURE HORIZONTAL ENGINES, admirably saited for winding, 12 in. cylinders, metallic pistons, either with or without boliers. Also, TWO powerful BOUBLE PURCHASE CRABS, capable of lifting 30 tons each. Also, a WROUGHT-IRON TANK, 20 ft. × 4 ft. × 4 ft. × piates.—Apply, by letter, to "A. S. H.," Mining Journal office, 28, Fleet-street, London.

TATIONARY STEAM-ENGINES OF THE BEST QUALITY, from I to 50-horse power, fitted with VARIABLE EXPANSION GEAR. These engines, which have been designed to combine great simplicity of parts with the utmost economy of action, are supplied with or without boliers, at the lowest possible rates; and erected, if required, in any part of the kingdom. General bolier and tank work carefully executed upon advantageous terms.—Apply to Messrs. WILLIAM YOU SO and Co., engineers, Barnstaple.

TEAM-ENGINES AND PITWORK.—FOR SALE, BY PRIVATE CONTRACT, the following STEAM-ENGINES and PITWORK:—A 65 in. eylinder PUMPING ENGINE, 10 ft. stroke in the cylinder, and 7 ft. 9 in. in the shaft, with two boilers about 22 tons; a 24 in. cylinder stamping engine, 8 ft. stroke, with one 10 tons boiler; a 30 in. cylinder pumping engine, 9 ft. stroke in the shaft, with one 8 tons boiler; as 20 and 18 in. pumps; 19 in. working pieces, doorpieces, and windbores; 18 in. ditto; 16 in. ditto; and other large pitwork; also, 2 18 in. plumper-poles, with stuffing-boxes and glands; an excellent capstan; and numerous other things.

Dated Imperial Fire and Life Insurance, and National Live Stock
Insurance Offices, 8t. Austell, Nov. 15, 1855.

VALUABLE AND EXTENSIVE FIELD OF MINERALS, AT ECKINGTON, IN DERBYSHIRE,—TO BE LET, ON LEASE, for a term of years, ALL the very valuable MINES OF COAL and IRONSTONE under about 1400 acres of land at Eckington, in the county of Derby, a portion of the estate of Sir Sitwell Reready Sitwell, Bart. This mineral field comprises (among others) those valuable and well-known beds of coal, called the Eckington Bed and the B.ack Shale, both of which are celebrated for their superior quality, and for the excellent coke they produce, and for which there is so large a demand; they are exceedingly well adapted for gas purposes, while for the eastern counties and London markets they are almost unequalled. The very moderate depth of the mines above-named throughout this estate has been fully proved by recent borings, which have also shown that the workings can be carried to almost any extent, with great advantage, and at a very moderate outlay. The coals are also very easily and cheaply wrought. The Black shale Bed is entire under the whole extent now offered, and the borings indicate the existence of valuable mines of ironstone, which are at present unopened. The ostate contains extensive quarries of building stone, and clay for the manufacture of bricks, both of excellent quality. The line of the Midland Railway and the Chesterfield Canal both run through the estate; and it has also excellent road communications in all directions.—For further particulars, or to treat for a lease, application may be made to Mr. W. Bean, mineral agent, Alfreton, Derbyshire.

**TABORTANT TO CONTRACTORS CANAL COMPANIES & A. TABORTANT TO CONTRACTORS CANAL COMPANIES. VALUABLE AND EXTENSIVE FIELD OF MINERALS, AT

December, 1855.

MPORTANT TO CONTRACTORS, CANAL COMPANIES, &c.—

R. and J. COUPE are NOW OPEN to ENTER INTO CONTRACTS for the SUPPLY of their PUMPS, with motive power (steam-engine), which are so simple in form, strong in construction, powerful in their effects, and moderate in price, being within two thirds of the cost of ordinary machinery for pumping. For raising and forcing large or small quantities of water from 10 ft. to 100 yards, they are unrivailed, and are, therefore, most eminently qualified for the drainage of lakes, marshes, and graving docks, &c., and the supplying of canals, fountains, &c. These pumps are of the ordinary barrel form; and this of itself is sufficient to prove their superiority over centrifugal pumps, which, under a pressure of a couple of pounds to the square inch give an average duty of 50 per cent. on the power employed, which average keeps decreasing, until, under a pressure of 14 or 60 lbs., their effective duty is so little as to render them commercially valueless. R. and J. Course warrant their pumps to give out 90 per cent. of the power employed, either under a pressure of 3 lbs., or 100 lbs. Lakes containing a known quantity of water drained for a fixed sum; marshes drained, and canals, &c., supplied per measuremen; or the machinery fixed down and commenced working for a specific sum.—Apply to R. and J. Course, Mad J. Course, N.B. As this plan of pumping requires that the engine and pump should be on the same level, it is not very appropriate for draining mines; for the draining of down brows in mines, this plan is especially suitable.

**TNO ARCHITECTS, SLATE MERCHANTS, BUILDERS, AND

TO ARCHITECTS, SLATE MERCHANTS, BUILDERS, AND OTHERS.—The DIRECTORS of the MACHNO SLATE AND SLAB COMPANY having completed their arrangements for the REMOVAL of their SHIPPING PORT to CONWAY, for the convenience of vessels unable to lower their masts to pass the tubular bridge, are now PREPARED to RECEIVE ORDERS for their justify celebrated SLABS and SLATES, from the Ffestinlog vein, which for beauty of colour and durability are unequalled.

celebrated SLABS and SLATES, from the fresting year, wanter or and durability are unequalled.

The slabs have been largely used in the construction of houses for Australia; and, from the facility with which they are creeted and removed, are well adapted for movable huts for men and horses at the proposed camps in England and Ireland.
All applications to be addressed to Mr. T. H. WHEELER, the resident director, but the company's offices, Conway, North Wales.

MERCANTILE, MINING, & AGRICULTURAL LABORATORY, CONDUCTED BY
W. CROWDER, P.C.S., CONSULTING AND ANALYTICAL CHEMIST, 164, SIDE, NEWCASTLE-ON-TYNE.

Late Lecturer on Chemistry in the Newcastle College of Medicine, and formerly Assistant in the Laboratory of the Highland and Agricultural Society.

Mr. W. Growbak begs to inform such persons as are connected with Mercantile, Mining, or Agricultural potautist, that he will be happy to perform ANALYSES and ASSAYS of every description, and to be CONSULTED upon subjects pertaining to

ASSAYS of every description, and to be CONSULTED upon subjects pertaining to SCIENTIFIC CHEMISTRY. A limited number of PRIVATE PUPILS re admitted to the laboratory on the following terms:—

Fee for 12 months' course of instruction, in one payment in advance... £20 0 0 Fee for 3 months, payment in advance 6 0 0

A SSAYING.—CITY SCHOOL OF CHEMISTRY AND ASSAY OFFICE, DUNNING'S ALLEY, BISHOPSGATE STREET WITHOUT. onducted by John Mitchell, F.C.S., Author of Manual of Practical Assaying, Manual of Agricultural Analysis, Treatise on the Adulteration of Food, Metallurgical appers, &c. ASSAYS and ANALYSES of MINERALS, METALS, and every manuscripts. SPECIAL INSTRUCTION in ASSAYING and CHEMISTRY for gentlemen in-

BATTLE WITH THE BASALTS:

AN ATTEMPT TO DELIVER THE CHIEF OR PRIMARY CRYSTALLINE

MASSES FROM PLUTONIC DOMINION.

By JOSEPH HOLDSWORTH, ESQ., M.G.S.F., &c., &c.

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Society, &c.

Published (for the author) at the *Mining Journal* office, 26, Fleet-street, London.

Price, handsomely bound in cloth lettered, 2s. 6d.; by post, 3s.

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TO IRON MASTERS OHN PLAYER, CIVIL ENGINEER

(of Netwice), Periestal, Wingster of the bittumed trouverte, respectably to guaints the periester in study, that the STRING, which he introduced in Valor in 1840, of OH AFRING the WASTERS AND COMPLETE SUCCESS, so that no extra fuel is the been during this year (1888) APPEND by Min at the BRITANIA WORKS, with the most COMPLETE SUCCESS, so that no extra fuel is required, either for generating steam for the blast eights, or fresting the blast filest to 60°, and, at the same time, less fuel is used in the furface, the quality of iron produced is excellent; the top of the furnace is open, and 8 ft. dismeter.

Should any ironmaster wish to alter his present arrangement, and SAVE ALL TILE FUEL be now uses for his bollers and hot-blast stoves, the advertiser is ready to give plans, by which the same may be effected, and send experienced foremen to carry them out, whether for furnaces on level ground, or against a hill, and to take as a remuneration a certain portion of the saving effected in a given time. Furnaces can be altered whilst in blast.

Bergisch Gladbach, Prussia, Dec. 22, 1855.

THARRIS S PATENT SRLF-ACTING STEAM PURIFIER.

English Gladbach, Prussia, Dec. 22, 1855.

HARRIS'S PATENT SELF-ACTING STEAM PURIFIER, and the great DESIDERATUM for successfully PREVENTING DEPOSITS in STEAM-ENGINE CYLINDERS (which has baffled the scientific, although it has been a subject of such moment, that it occupied for years the attention of the most eminent machinists), is NOW SUCCESSFULLY at WORK at Plymouth Ironworks, Merthyr Tydyll, effectually separating the water and mud from the steam on one of the large horizontal engines in use at the above establishment. Since the apparatus has been in use, nothing but pure steam has entered the cylinders; and it gives great satisfaction in an economical point of view.

The PURIFIER can be let in any part of the steam-pipes, or on the boiler; and it will occupy but little room. Should it be required to keep the water in the boiler, the apparatus will keep it in or discharge it, without the loss of any steam. It will be an immense saving in the boiler to discharge the mad and water while it is in full work, especially as regards marine engines, where the boilers so often require cleaning, and less cleaning by one-half required to the boiler.

Another object gained by the STEAM PURIFIER is the considerable saving of tallow, oil, and packing, &c., as well as fuel, to say nothing of the wear and tear of machinery; but this will be further explained when parties feel disposed to treat (with the patentee, informing him of the size of the steam-pipes. Any new engine under 200-horse power, will not exceed £15 additional cost. The apparatus can be set to work on any engine in 24 hours.

As a proof that the merit and importance of this invention are properly appreciated by competent judges, we may state that Messrs, J. and C. Bailey and Co., the eminent Welsh iroumasters of Nant-y-Glo and Beaufort Works, have given a large order for the exection of these purifiers at their works; and they are highly approved of by A. Hill, Eq., ironmaster, and Mr. James Stephens, the principal engineer.

LICENSES will be GRANTED to par

HIND'S PATENT WEIGHING MACHINERY, for RAILWAYS, HIGHWAYS, and MINES, of all powers and sizes required by purchasers; al-o, CHANES and TURN-TABLES, of any required size or power; and HIGH-PRESSURE STEAM-ENGINES, horizontal, vertical, or beam. Manufactured by RICHARD KITCHIN, Scotland Bank Ironworks, Warrington.

ONKEY ENGINES, DONKEY ENGINES, DONKEY ENGINES

—R. and J. COUPE have in STOCK a number of their IMPROVED DONKEY ENGINES.

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G. L.E. Sir

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4445 General Mining Co. for Ireland (cop., lead). 3 2½ 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 0 3 3—June, 1858, 5000 F(5000	ox Tor (tin), Altarnun 1 3 1 1 3 1 1 3 1 .	4944 Tavy Con. (cop.), ne. 6000 Thomas's United, C 6400 Tees Side (lead), Cu 1024 Trebarvah, Perranu	ar Tavistock £2 14 1 14 1 ardigansh. 2 14 1 14 1 14 1 14 1 14 1 14 1 14 1 14 1 14
	0 0 5 0—June, 1855. 1024 G 0 5 0 0—Nov., 1854. 12600 G 6 0 7 6—April, 1854. 243 G 0 0 2 6—Nov., 1855. 900 G 6 0 2 6—Nov., 1855. 4000 G	ast Tamar (sitid.), beerfarris £2 8 6 14 ast Tolgus (copper), Redruth. 23 26½ ast Tolgus (copper), Redruth. 23 26½ ast Wheal George, Walkhamp. 3 4 — ast Wheal Rose (sitlead) 27% 51 ast Wheal Russell, Tavistock £4 3 0 1½ ast Wheal Russell, Tavistock £4 3 0 1½ ast Wheal Vor (tin) 2% ½ gair Liee, Llanhanagel-y-Croy 7 2½ ast Wheal Vor (tin) 2% ½ ast Wheal Vor (tin) 2% ½ ast Onald (lead, antimony) 5a, 6d. 1½ ast Wheal Vor (tin) 32 are Donald (lead, antimony) 5a, 6d. 1½ anti-Frith-Rhedyn (lead) 3 arreg (lead), Flint £2 8 0 avton United (cop.), Tavistock£3 12 2½ ilmar (tin), St. Erth 63% avton (lead), Liankilose arrabler & St. Aubyn (copper)1034 arrabler & St. Aubyn (copper)1034 areat Beam (tin), St. Austell 20 preat Cowarch, Merioneth 4½ 1 reat Bowgus 2	600 Tregardock (lead), 8 5000 Treleigh Cons. (cop. 60 65 10000 Treloggan, St. Color 5000 Treloweth (copper),	St. Teath 63 16 16 16 16 16 16 16 16 17
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29 Laxey Mining Company, Isle of Man 100 1000 1300 01 160 Levant (copper, tin), St. Just* 2½ 120 1048 0 400 Lisourne (lead), Cardiganshire, Wales 18½ 150 223 15 320 Machno Siate and Slab Company 25 29 2 10 160 Ditto (New Shares) 18½ 22½ 1 17	0 2 0 0-Aug., 1855. 10000 G	reat Treveddoe 2 24	3200 Ty-Maen, Whitford 6400 Tyne Head (silver-l- 4000 Tyn-y-Worglodd(sil 10000 Tyn-y-berth (slate), 5000 Ulpha United Mile, 6000 Union (tin), Roche	ead, copper)
60.00 Marke Valley (copper), Caradon 44, 10s, 6d 4½ 0 0 17 5000 Mendip Illia (lead), Somerset 34 2 0 17 5000 Mendip Illia (lead), Flint 21, 185 1 1 1 3 3 11 10	6 0 3 0—Sept., 1855. 16000 6 6 0 7 6—Dec., 1854. 9000 G 0 0 2 6—June, 1853. 512 H 6 0 14 0—July, 1855. 8192 H	reat Wheai Alfred, Phillack 55% 13 reat Wheai Baddern (tin) £5 5 5 reat Wheai Fortune, Breage £18 18 6 10 6 recy Mare (tron, &c.), Cornwall 2s. 9d. 5 alamanning and Croft Gothai 96 20 awkmoor (tin & cop.), Calstook £1 0 6 24 elvellyn Consols (cop.) 1 13 lenwerd United (tead), Flint 30 6 lerward United (tead), Flint 30 6 leil Bridge Consols 1 2	6000 Union (tin), Roche 5120 United Mines, Tavi 2500 Welsh Potosi (new 256 Wendron Con. (tin)	& Luxillion £1 7 1 stock 24 shares) 1 1
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209 North Pool (copper, tin), root 239 140 North Rosker (copper), Camborne 10 70 249 10 5000 North Wheal Baset (copper, tin), Illogan* nit. 43 41 42 6 18 6100 Par Consols (copper), St. Blazey 1½ 18½ 18½ 19 23 18 610 Peak United (load), North Derbyshire 7½ 11	0 2 0 9—Dec., 1854, 1000 H 0 4 0 0—Sept., 1853, 2038 H 0 0 17 6—Dec., 1855, 12000 I 0 0 12 0—Oet., 1855, 2048 K 0 0 10 0—Oet., 1855, 6000 K 0 37 0 0—Dec., 1855, 3300 K		1% 1% 25000 West Par Con. (cop. 6000 West Polberro, 8t. 5500 West Rosewarne U. 12000 West Sortridge, W.	10, 8t. Biazey 1 Agnes 12 24 44 44 nited 2 21 nited 4s. 6d
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9000 South Tamar (silver-lead), Beerferrist	0 8 0 0-Nov., 1855. 5000 L 0 20 0 0-June, 1855. 5000 L 0 4 0 0-May, 1858. 5056 L 0 10 0 0-Nov., 1855. 2500 X	ewis (tin, cop.), St. Erth	12000 Wheal Alfred (cop. 256 Wheal Betsy (tin), 539 Wheal Carne (tin), 4096 Wheal Crebor (cop.	s, Illogan 23
1024 Spearne Consols (tin), St. Just, Cornwall 1\frac{1}{2} 2 8 8 8 250 Spearne Moor (copper), St. Just, Cornwall 1\frac{1}{2} 2 3 0 0 1724 St. Aubyn and Grylls (cop., tin), Breage.34.17s. 8\frac{1}{2} 3\frac{1}{2} 0 17 0 17 0 17 0 17 0 17 0 17 0 17 0	6 0 2 6—Dec., 1853, 2560 X 0 1 0 0—Dec., 1855, 256 X 0 2 0 0—Feb., 854, 1024 X 0 2 0 0—Feb., 1853, 7500 X	ydford Consols (lead), Devon £2 3 6, [3] Indron United (tin), Cornwall 5 32 Iesser (copper), Bodmin	.2½ 2½ 1024 Wheal Cupid (copper 4096 Wheal Edward (copper 1097 Wheal Enys (lead), 720 Wheal Franco, near 5000 Wheal Guskus (tin,	o.), Calstock. 2 13 13 13 13 13 13 13 13 13 13 14 15 16 10 10 10 10 10 10 10 10 10 10
6009 Tineroft (copper, tin), near Pool, Illogan 9 4½ 4½ 6 18 2045 Trehane (silver-lead), Menheniot 14 8 6 18 6 11 15 47 2 Trelyon Consols, (tin), 81. Ives 11 12 15 4677 15	0 5 0 0-June, 1855 1700 N	lant-y-Car(con) nr. Rhayader £8 10 6 4	5120 Wheal Harriett, Ca 3000 Wheal Helen (tin), 1000 Wheal Hender, Cro 5000 Wheal Kitty (tin), 6000 Wh. Langford(con.	mborne 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
120 Trethellan (copper), Gwennap, Cornwall 10\(\) 16			2 2½ 512 Wheal Margery (tir. 512 Wheal Mary Ann (1), St. Ives 6½ 2 Perran) 2 8½ msols (cop.) 6½ L. Stephens 1½ 1½
400 United Mines (copper), Gwennap+	0 0 1 0-Oct, 1855, 1024 2 0 0 2 6-Jan, 1855, 1000 2 0 0 5 0-Jan, 1855, 1000 2 0 0 7 0-Jan, 1855, 1000 2 0 0 12 6-Nov, 1855, 1128 2	North Rosewarne, Gwinear	512 Wheal Montague (1 256 Wheal Morgan 128 Wheal Palmer, St 36 1000 Wheal Regent (Lin	Austell 2714 50
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250 Wheal Charlotte, Perranuthnoet 33 104 110 250 Wheal Clifford (copper), Gwennap 620 9 1 25700 Wheal Exmouth and Adams United 41.14s. 8 17.5700 Wheal Exmouth and Adams United 71.14s. 8 7500 Wheal Portescue, Bodmin 71.14s. 9875 10.15s.	0 0 0 10 0 - Sept., 1855. 10 0 2 14 4 - Aug., 1855. 10 0 2 6 - Oet., 1855. 10 0 0 10 - Oet., 1855. 10 0 0 10 - Oet., 1855. 10 0 0 10 - Oet., 1855.	Pedn-an-drea United (tin)	1024 Wheal Uny (tin, co 1024 Wheal Venton (si 246 Wheal Virtue, Per 4096 Wh. Zion (cop., lead	n), Gwinear. 8 3 2 24 p.), Redruth 224 2
128 Wheal Priendship (copper), Devon	2 0 0 2 0 May, 1853, 6000 1 0 0 1 0 0 Oct., 1853, 24000 1 0 0 0 10 0 Dec., 1855, 6495 1 0 0 2 0 0 Aug., 1854, 1160	Pendarves & St. Aubyn (tin, co.) 3	6400 Whitford (lead), F 4096 Wood (lead), Beerf 10000 Wrysgan (slate), I 10000 Wrysgan (Preferen 4006 Veeland Consols (ti	int)
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FOREIGN MINES. 5000 Alten Mining Company (copper), Norway £14\(\) 3 57605 Baden, Grand Duchy of 1 10000 Brazilian Imperial (gold), Brazil 26 2404 Burra Burra (copper), South Australia 5 12000 Cobre Copper Company (copper), Cuba 40 100000 Colonial Gold, Australia 40 100000 Colonial Gold, Australia 40 100000 Copiapo Mining Company (copper), Chili 40 20000 Copiapo Mining Company (copper), Chili 40 20000 General Min. Assoc. (iron, coal), Nova Sooia 40 100000 Linarca (lead), Pozo Ancho, Spain 40 100000 Linarca (lead), Pozo Ancho, Spain 40 100000 Lustanian (of Portugal) 42 10000 Brazilian 40 New Granda 44 25000 Peninsular Mining Company 45 10000 Peninsular Mining Company 45 10000 Peninsular Mining Company 45 10000 Pontgibaud (silver-lead), France 40 10000 Royal Santingo (copper), Cuba 124 10000 Royal Santingo (copper), Cuba 124 10000 San Fernando (silver-lead), Linares 11 10000 St. John del Rey (gold), Brazil 15 29 27 29 31 1 43174 United Mexican (silver), Mexico Av. 284 455 456 10000 Mexican and South American Smelting Co. 9 64 55 55 56 65 69 73 11 41 42 45 45 45 45 45 45 45 45 45	2 6 0 2 6—Sept., 1855. 5500 0 0 1 0 0—June, 1855. 6000 0 0 1 5 0—July, 1848. 4096 1 9 0 0 7—June, 1854 7 6 2 0 0—Nov. 1855		d Dragon, Wales, 1 36 39 tton Castle (lead). 19s 36 39 Bull.&W.Penstru. 36 236 10	00 Wheat Pollard
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WINDS WHICH HAVE SOLD ORES. Shares,	Paid. Last Price. Present. 103811	Liberty 1 % %	10000 Ditto (New)	2½ 89 68 10 30 31 –
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200 Beeralston United, Devon 24 3a 4 500 Bolewi, South Wales 51 3a 4 500 Bolewi, South Wales 51 51 51 51 51 51 51 5	rnwall., 2% % % 1 Lon digansh, 14s, % % 1	don: Printed by Richard Middleton, and pu Straker, where all commu	blished by HENRY ENGLISH (the prop nications are requested to be addresse	rictors), at their offices, No. 26, 7:50 d December 29, 1885.
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